

Data File : VU031511.D
Acq On : 25 Apr 2019 20:43
Operator : JC/SP
Sample : VSTDIC015
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Quant Time: Apr 26 03:02:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U042619DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Apr 26 02:56:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	83522	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	29547	0.98	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.00%	
68) 1,2-Dichlorobenzene-d4	11.85	152	27362	0.91	ug/l	0.00
Spiked Amount 1.000			Recovery	=	91.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	508409	14.048	ug/l 99
3) Chloromethane	1.32	50	575455	14.784	ug/l 99
4) Vinyl Chloride	1.40	62	564852	14.853	ug/l 100
5) Bromomethane	1.62	94	272259	12.745	ug/l 96
6) Chloroethane	1.69	64	306979	12.146	ug/l 96
7) Trichlorofluoromethane	1.88	101	648921	12.176	ug/l 97
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	316416	11.967	ug/l 100
9) 1,1-Dichloroethene	2.28	96	318243	12.048	ug/l 99
10) Iodomethane	2.41	142	404361	11.618	ug/l 98
11) Allyl Chloride	2.59	41	700443	13.350	ug/l 99
12) Acrylonitrile	2.93	53	189322	24.702	ug/l 98
13) Acetone	2.32	43	407749	58.278	ug/l 97
14) Carbon Disulfide	2.47	76	1218570	12.443	ug/l 100
15) Methylene Chloride	2.69	84	375282	11.049	ug/l 99
16) trans-1,2-Dichloroethene	2.97	96	356387	12.201	ug/l 97
17) 1,1-Dichloroethane	3.44	63	743751	15.261	ug/l 100
18) 2-Butanone	4.27	43	656312	86.759	ug/l 99
19) Cyclohexane	4.99	56	592323	16.806	ug/l 88
20) Methylcyclohexane	6.41	83	590293	17.377	ug/l 97
21) 2,2-Dichloropropane	4.22	77	537790	14.453	ug/l 98
22) cis-1,2-Dichloroethene	4.22	96	397382	15.045	ug/l 99
23) Diethyl Ether	2.10	59	313858	12.719	ug/l 99
24) tert-Butyl Alcohol	2.83	59	329507	126.496	ug/l 99
25) Methyl tert-Butyl Ether	3.00	73	968565	12.594	ug/l 100
26) Bromochloromethane	4.54	128	166181	13.966	ug/l 99
27) Chloroform	4.67	83	697850	14.654	ug/l 98
28) 1,1,1-Trichloroethane	4.91	97	584121	14.492	ug/l 99
29) 1,1-Dichloropropene	5.13	75	534696	15.750	ug/l 100
30) Carbon Tetrachloride	5.13	117	505643	14.306	ug/l 97
31) Isopropyl Ether	3.57	45	1241051	17.186	ug/l 98
32) Ethyl-t-butyl ether	4.07	59	1055094	17.389	ug/l 100
33) Tert-Amyl methyl ether	5.58	73	885418	17.163	ug/l 100
34) Propionitrile	4.32	54	179351	86.140	ug/l # 96
35) Benzene	5.38	78	1553371	15.523	ug/l 98
36) 1,2-Dichloroethane	5.40	62	472469	14.816	ug/l 100
37) Trichloroethene	6.18	130	361788	13.093	ug/l 97
38) 1,2-Dichloropropane	6.43	63	433507	16.165	ug/l 98
39) Methacrylonitrile	4.54	41	159509	17.052	ug/l 99
40) Methyl acrylate	4.42	55	228562	18.936	ug/l 99
41) Tetrahydrofuran	4.64	42	166796	34.970	ug/l 97
42) 1-Chlorobutane	5.06	56	818578	16.854	ug/l 97

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Apr 26 02:56:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	202222	14.243	ug/l	100
44) Bromodichloromethane	6.75	83	511411	14.867	ug/l	98
45) 4-Methyl-2-Pentanone	7.46	43	1453374	86.560	ug/l	100
46) t-1,4-Dichloro-2-butene	10.49	75	220878	35.407	ug/l #	84
47) Methyl methacrylate	6.62	69	399125	33.652	ug/l	99
48) Ethyl methacrylate	8.02	69	362202	17.330	ug/l	99
49) Toluene	7.63	92	888943	16.297	ug/l	99
50) t-1,3-Dichloropropene	7.87	75	462889	15.941	ug/l	99
51) cis-1,3-Dichloropropene	7.26	75	554938	16.046	ug/l	98
52) 1,1,2-Trichloroethane	8.06	97	275493	14.466	ug/l	97
53) 1,3-Dichloropropane	8.24	76	499162	15.330	ug/l	99
54) 2-Hexanone	8.36	43	989232	87.091	ug/l	97
55) Dibromochloromethane	8.47	129	316407	14.068	ug/l	99
56) 1,2-Dibromoethane	8.58	107	250343	14.166	ug/l	99
58) Tetrachloroethene	8.22	164	356644	15.114	ug/l	98
59) Chlorobenzene	9.12	112	897565	14.961	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.20	131	324987	14.404	ug/l	100
61) Pentachloroethane	11.10	117	223858	12.984	ug/l	98
62) Hexachloroethane	12.14	117	237115	14.074	ug/l	100
63) Ethyl Benzene	9.25	91	1638098	16.996	ug/l	100
64) m/p-Xylenes	9.37	106	1220057	33.385	ug/l	96
65) o-Xylene	9.77	106	579766	16.530	ug/l	99
66) Styrene	9.79	104	1034300	17.394	ug/l	99
67) Bromoform	9.95	173	177732	13.840	ug/l	98
69) Isopropylbenzene	10.16	105	1545850	16.488	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.45	83	355355	14.373	ug/l	98
71) 1,2,3-Trichloropropane	10.49	75	220878	12.409	ug/l #	90
72) Bromobenzene	10.45	156	354401	14.408	ug/l	99
73) n-propylbenzene	10.58	120	415552	16.639	ug/l	99
74) 2-Chlorotoluene	10.66	126	363394	15.796	ug/l	100
75) 1,3,5-Trimethylbenzene	10.77	105	1348381	16.903	ug/l	99
76) 4-Chlorotoluene	10.77	126	374922	16.121	ug/l	99
77) tert-Butylbenzene	11.10	119	1226256	15.917	ug/l	100
78) 1,2,4-Trimethylbenzene	11.14	105	1369433	17.074	ug/l	99
79) sec-Butylbenzene	11.32	105	1693677	16.213	ug/l	99
80) Nitrobenzene	12.86	77	58562	74.810	ug/l #	98
81) p-Isopropyltoluene	11.47	119	1378734	16.498	ug/l	99
82) 1,3-Dichlorobenzene	11.41	146	691135	14.203	ug/l	99
83) 1,4-Dichlorobenzene	11.50	146	698333	14.867	ug/l	100
84) n-Butylbenzene	11.89	91	1377419	17.024	ug/l	100
85) 1,2-Dichlorobenzene	11.87	146	654213	14.397	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.65	75	54325	15.499	ug/l	98
87) 1,2,4-Trichlorobenzene	13.50	180	407333	14.963	ug/l	100
88) Hexachlorobutadiene	13.69	225	238490	12.942	ug/l	99
89) Naphthalene	13.74	128	778208	17.098	ug/l	100
90) 1,2,3-Trichlorobenzene	13.98	180	393553	14.401	ug/l	99

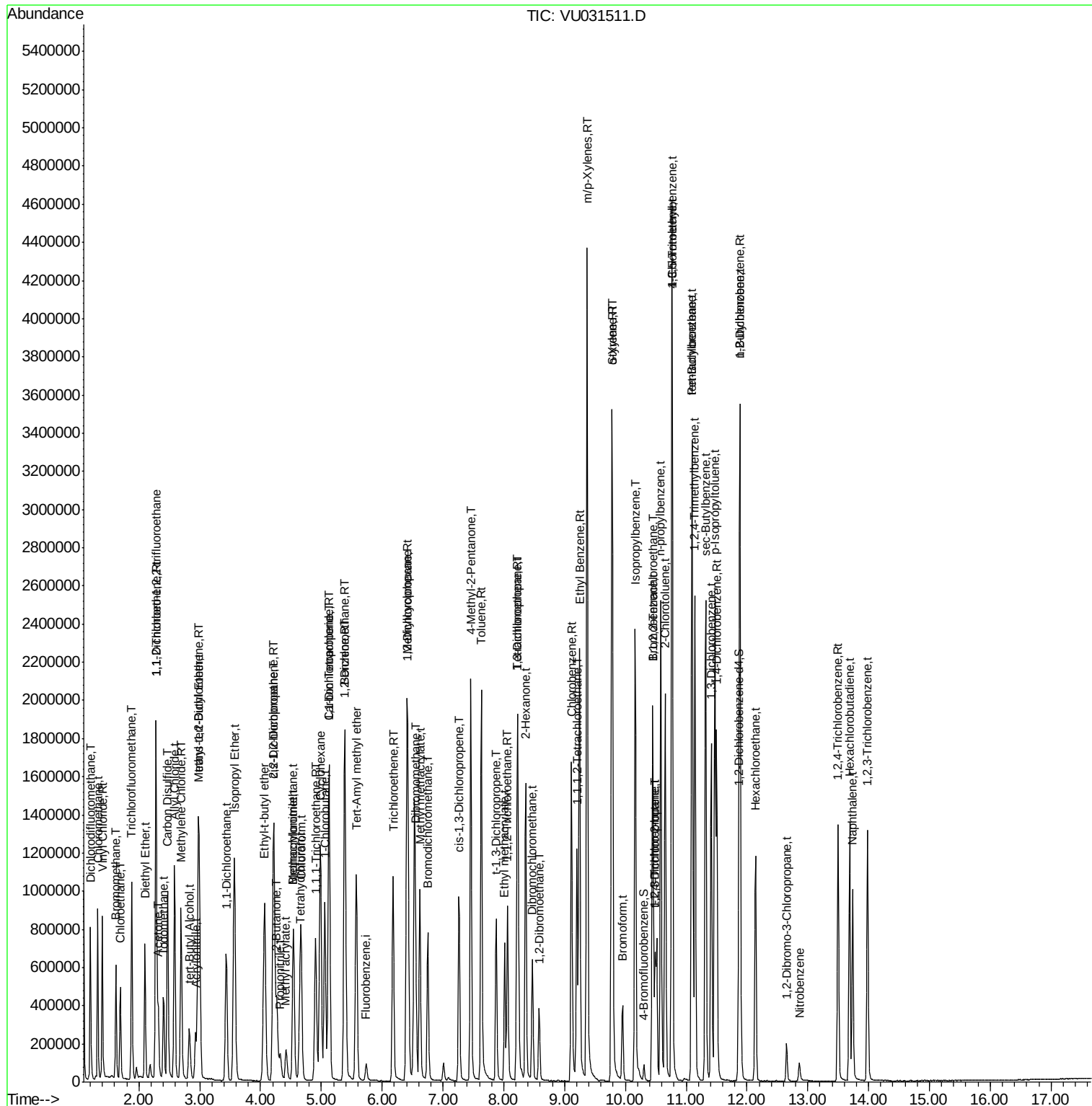
(#) = qualifier out of range (m) = manual integration (+) = signals summed

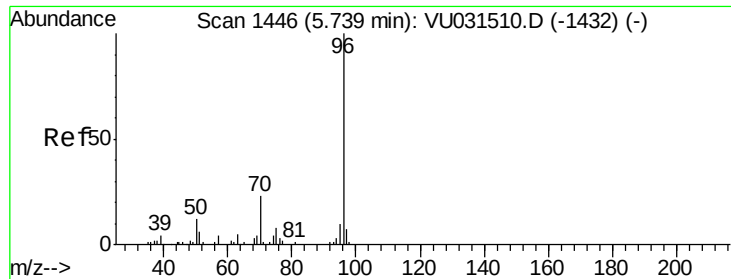
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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. 0.00 min

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Instrument :

MSVOA_U

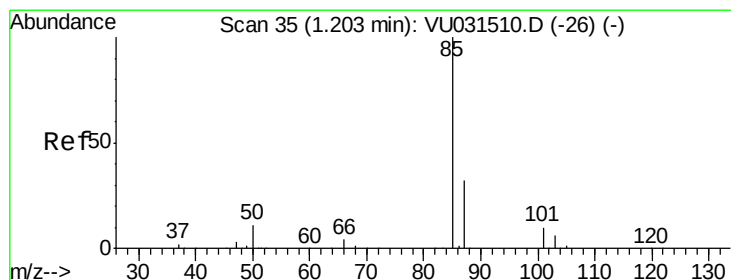
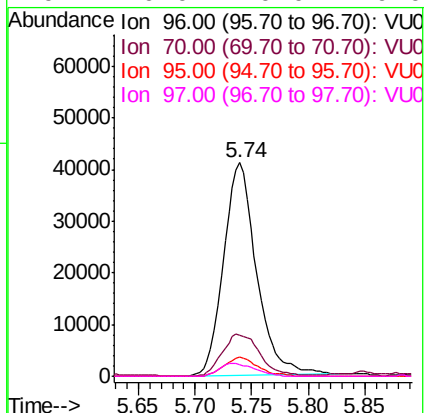
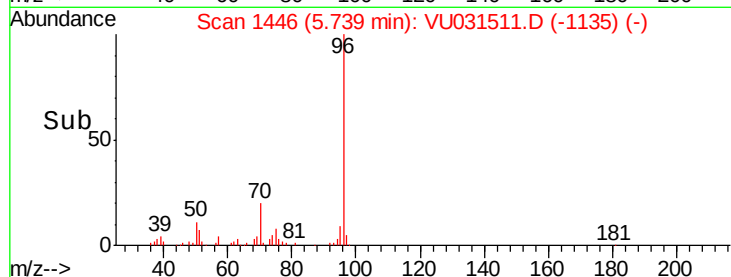
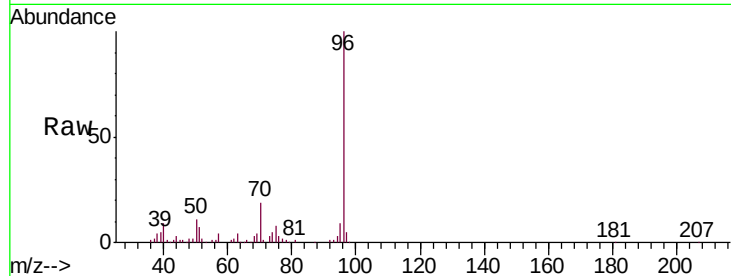
ClientSampleId :

VSTDIC015

Tgt Ion: 96 Resp: 83522

Ion Ratio Lower Upper

96	100		
70	21.9	18.2	27.2
95	0.0	7.7	11.5#
97	0.0	0.0	0.0



#2

Dichlorodifluoromethane

Concen: 14.048 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

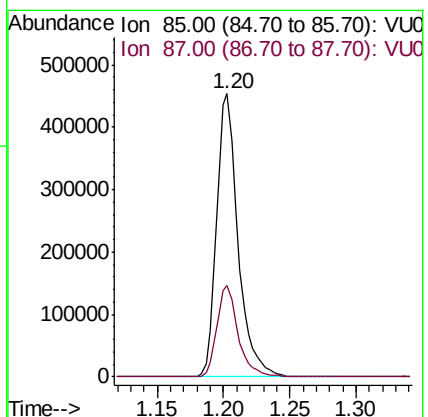
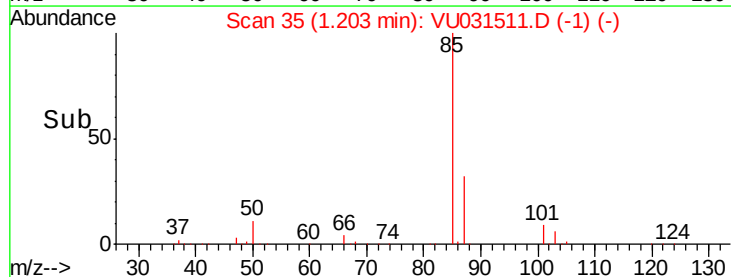
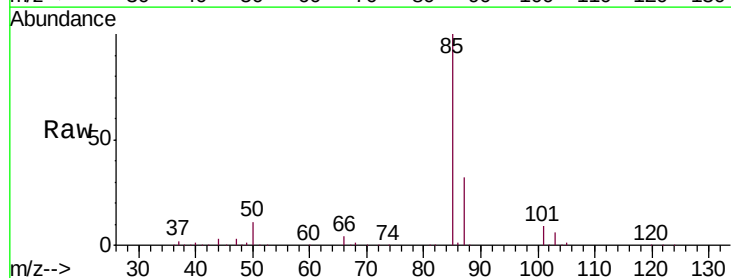
Lab File: VU031511.D

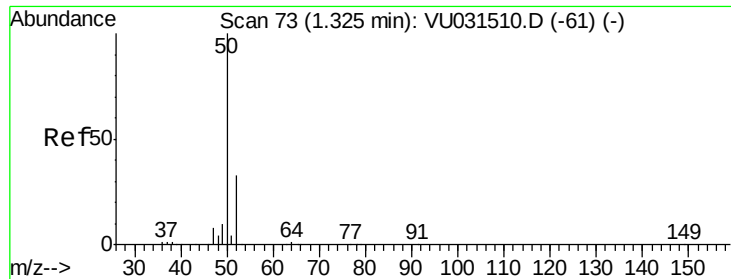
Acq: 25 Apr 2019 20:43

Tgt Ion: 85 Resp: 508409

Ion Ratio Lower Upper

85	100		
87	32.5	16.1	48.2





#3

Chloromethane

Concen: 14.784 ug/l

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU031511.D

Acq: 25 Apr 2019 20:43

Instrument :

MSVOA_U

ClientSampleId :

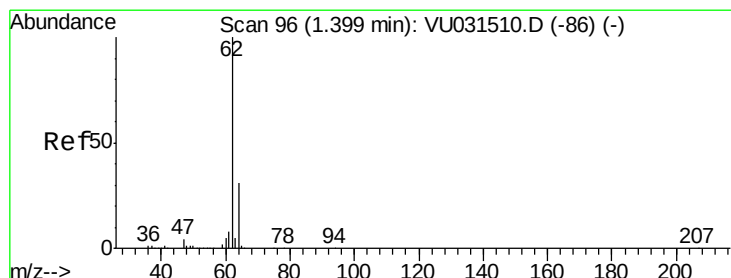
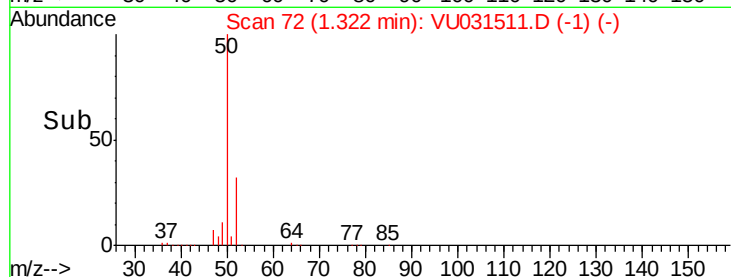
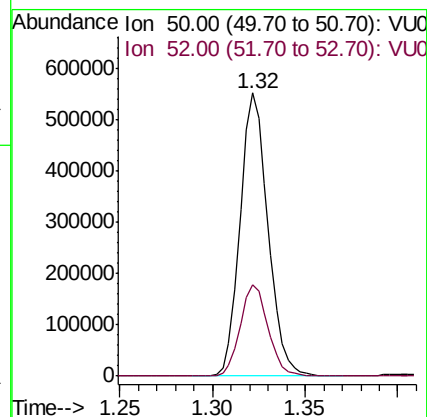
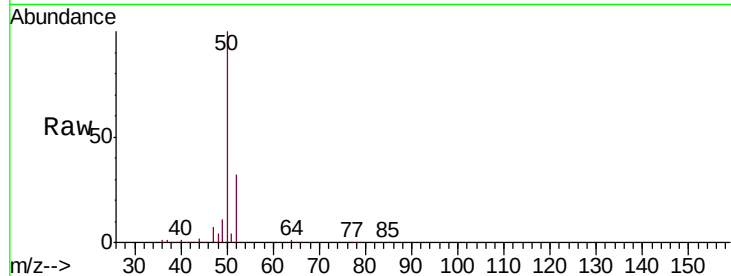
VSTDIC015

Tgt Ion: 50 Resp: 575455

Ion Ratio Lower Upper

50 100

52 32.2 26.1 39.1



#4

Vinyl Chloride

Concen: 14.853 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU031511.D

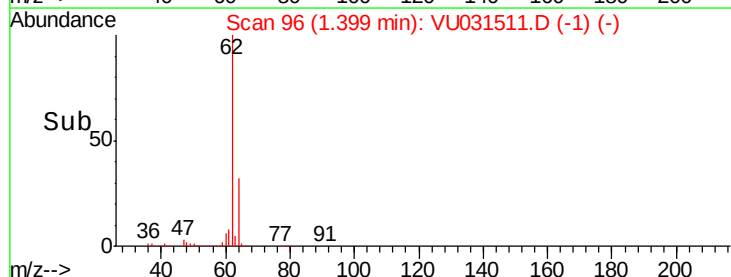
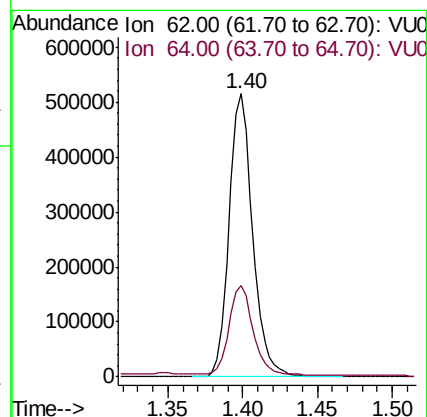
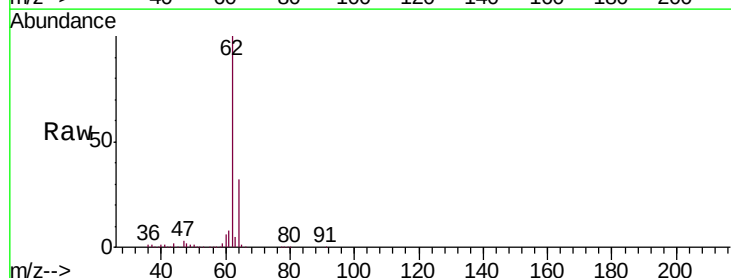
Acq: 25 Apr 2019 20:43

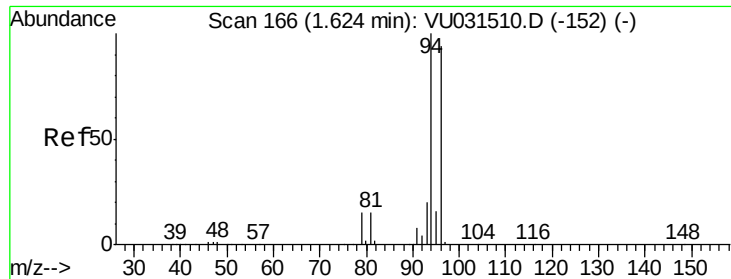
Tgt Ion: 62 Resp: 564852

Ion Ratio Lower Upper

62 100

64 31.9 25.5 38.3





#5

Bromomethane

Concen: 12.745 ug/l

RT: 1.62 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU031511.D

Acq: 25 Apr 2019 20:43

Instrument :

MSVOA_U

ClientSampleId :

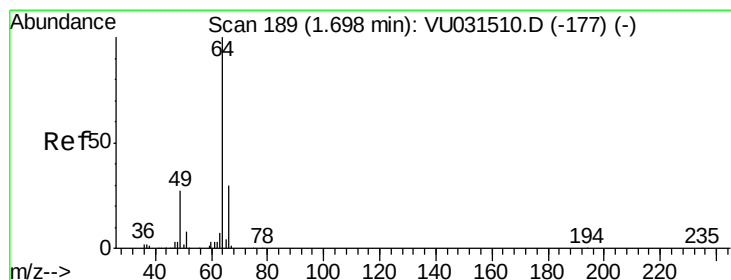
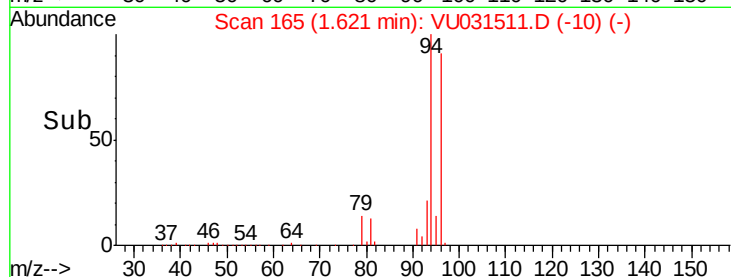
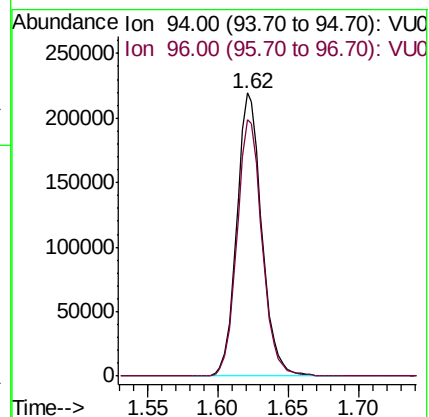
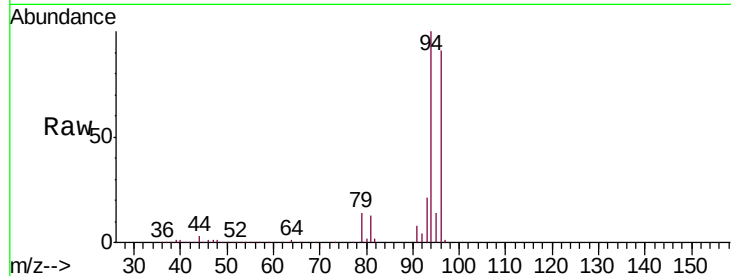
VSTDIC015

Tgt Ion: 94 Resp: 272259

Ion Ratio Lower Upper

94 100

96 90.5 75.5 113.3



#6

Chloroethane

Concen: 12.146 ug/l

RT: 1.69 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU031511.D

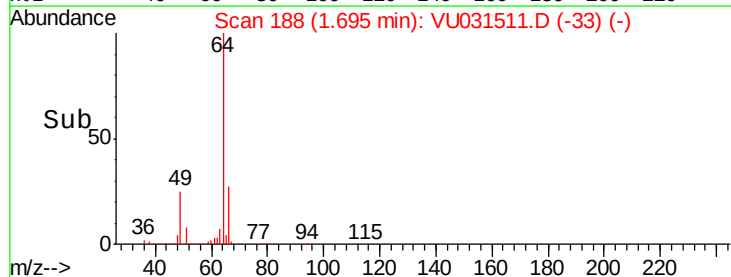
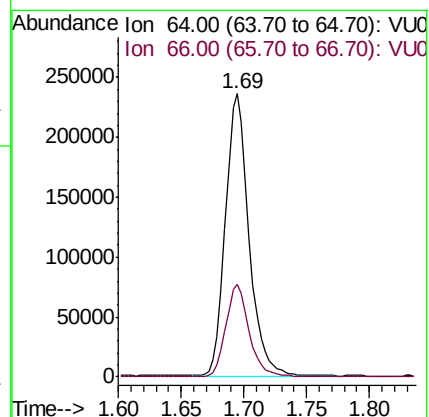
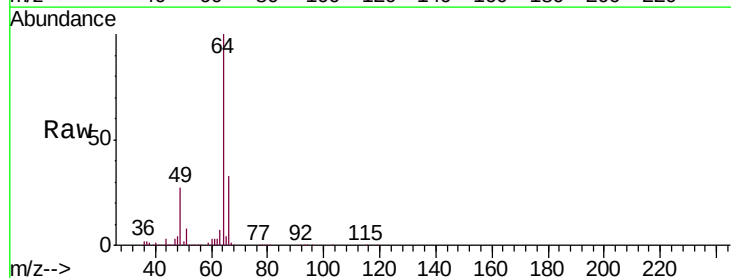
Acq: 25 Apr 2019 20:43

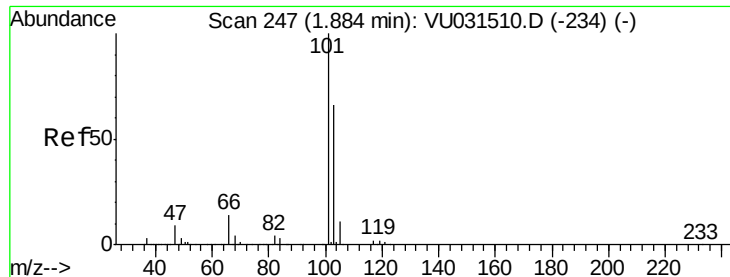
Tgt Ion: 64 Resp: 306979

Ion Ratio Lower Upper

64 100

66 32.8 24.3 36.5





#7

Trichlorofluoromethane

Concen: 12.176 ug/l

RT: 1.88 min Scan# 246

Delta R.T. -0.00 min

Lab File: VU031511.D

Acq: 25 Apr 2019 20:43

Instrument :

MSVOA_U

ClientSampleId :

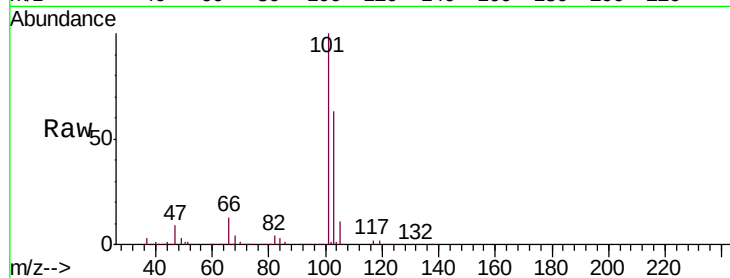
VSTDIC015

Tgt Ion:101 Resp: 648921

Ion Ratio Lower Upper

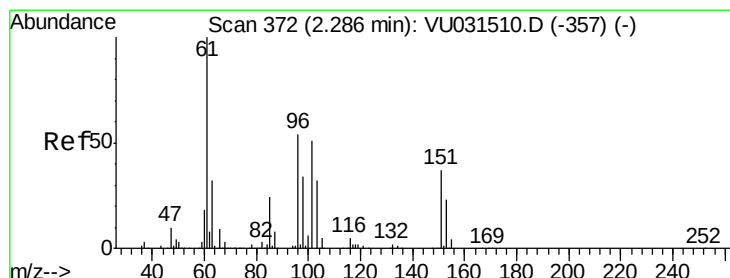
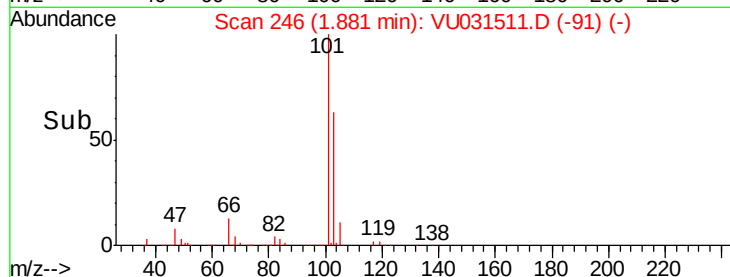
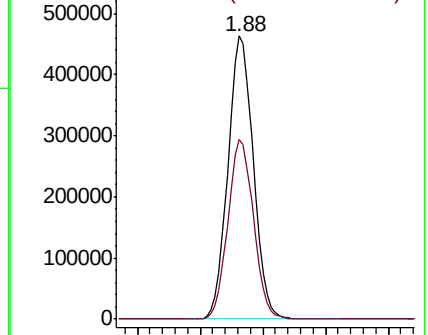
101 100

103 63.3 52.8 79.2



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: 11.967 ug/l

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU031511.D

Acq: 25 Apr 2019 20:43

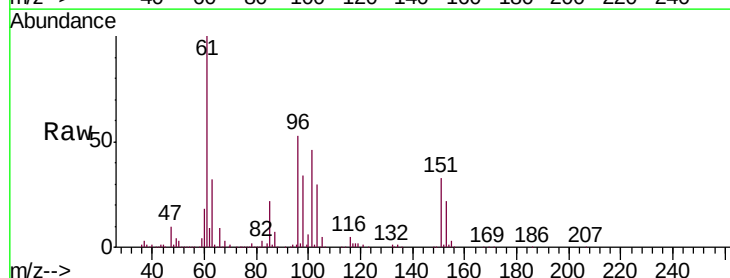
Tgt Ion:101 Resp: 316416

Ion Ratio Lower Upper

101 100

85 46.8 37.8 56.6

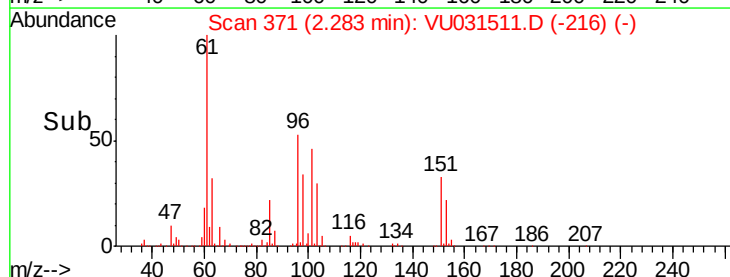
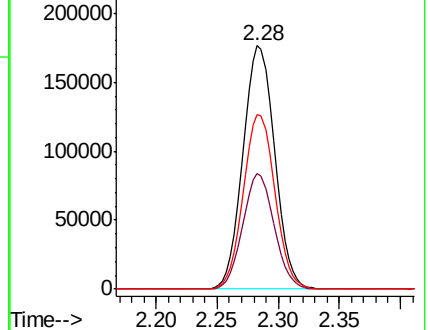
151 71.6 57.4 86.0

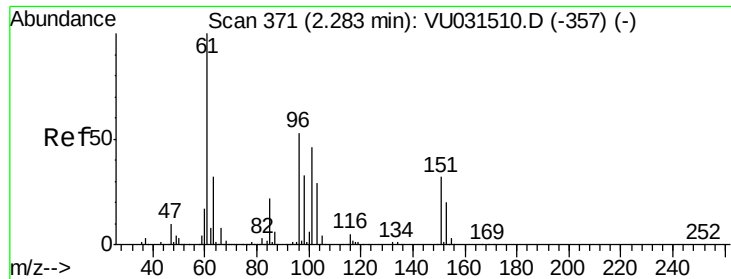


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#9

1,1-Dichloroethene

Concen: 12.048 ug/l

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU031511.D

Acq: 25 Apr 2019 20:43

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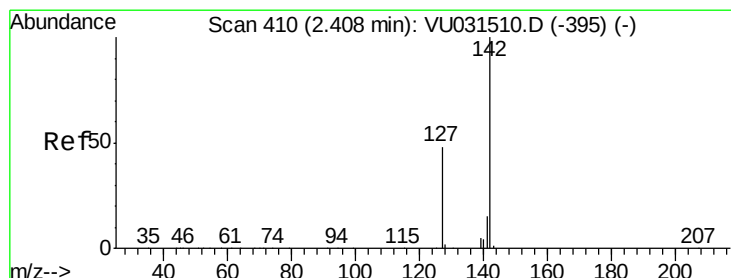
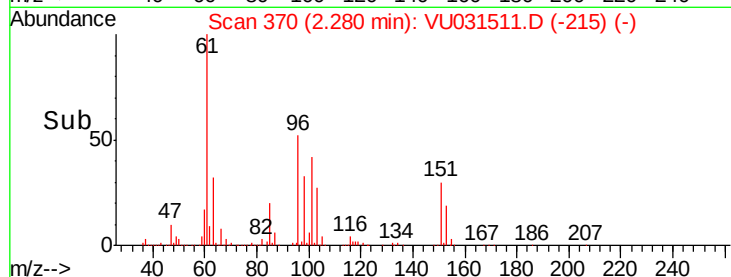
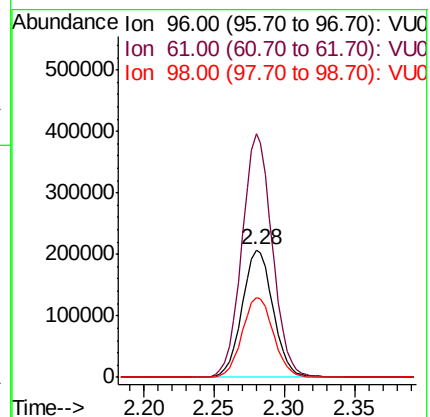
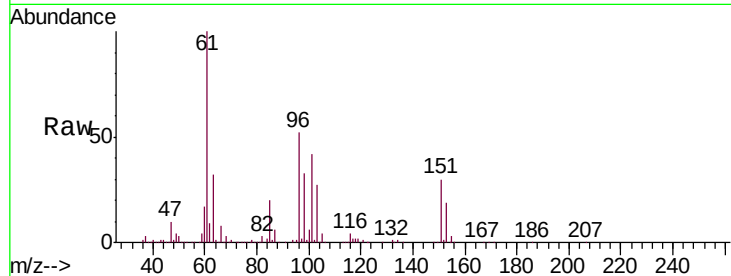
Tgt Ion: 96 Resp: 318243

Ion Ratio Lower Upper

96 100

61 191.1 0.0 566.7

98 62.6 0.0 126.4



#10

Iodomethane

Concen: 11.618 ug/l

RT: 2.41 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU031511.D

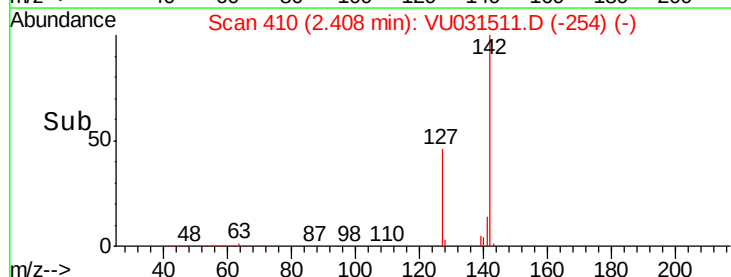
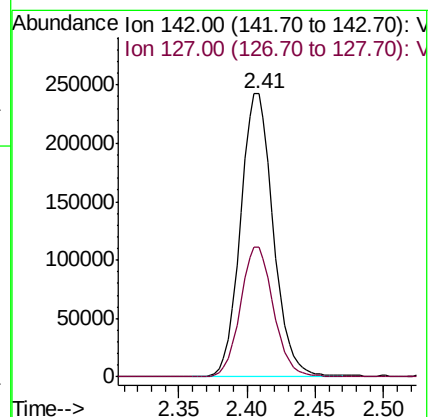
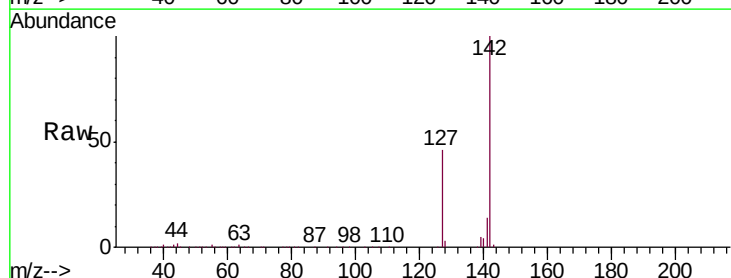
Acq: 25 Apr 2019 20:43

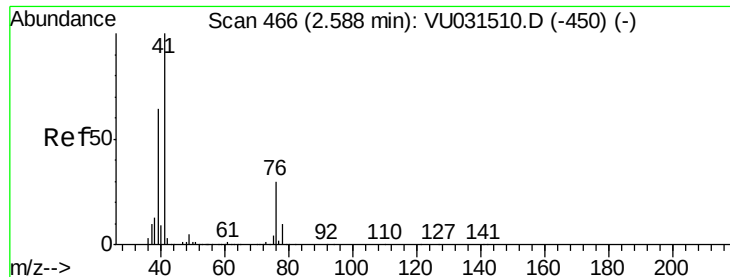
Tgt Ion: 142 Resp: 404361

Ion Ratio Lower Upper

142 100

127 46.6 38.2 57.2

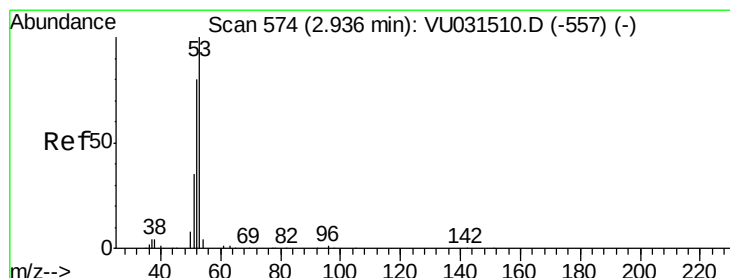
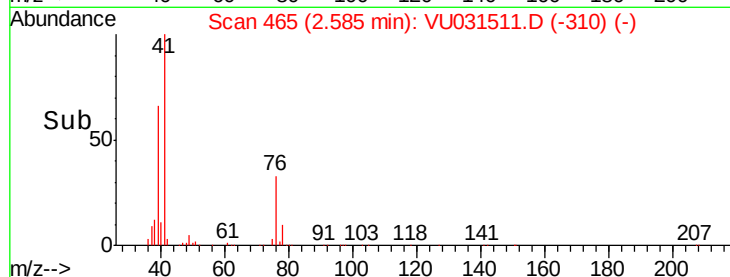
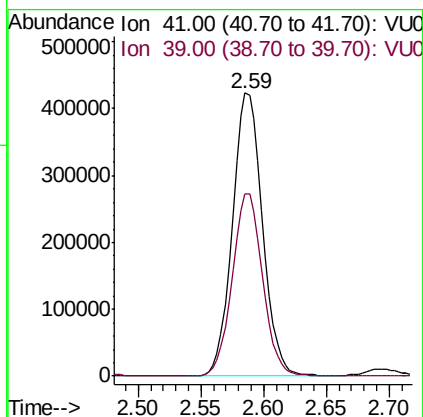
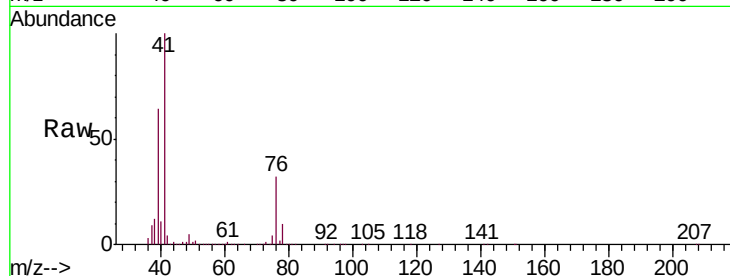




#11
 Allyl Chloride
 Concen: 13.350 ug/l
 RT: 2.59 min Scan# 465
 Delta R.T. -0.00 min
 Lab File: VU031511.D
 Acq: 25 Apr 2019 20:43

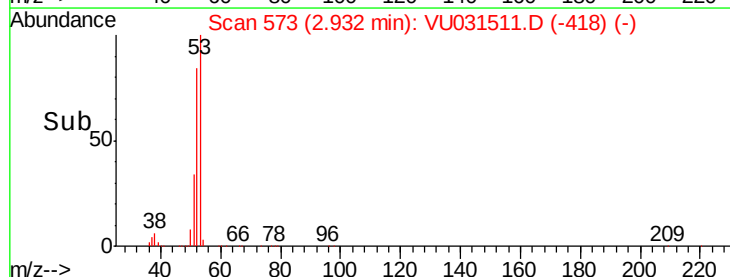
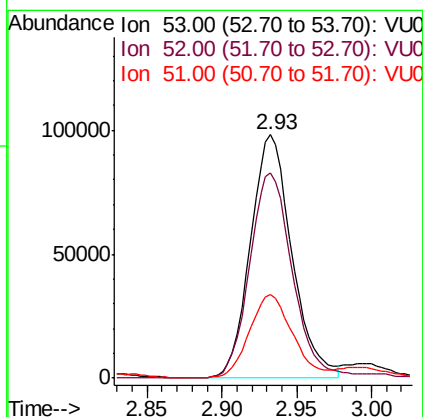
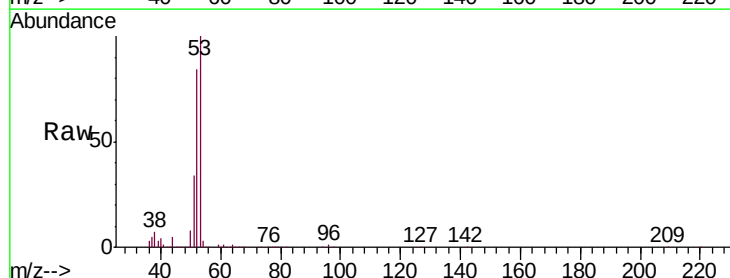
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

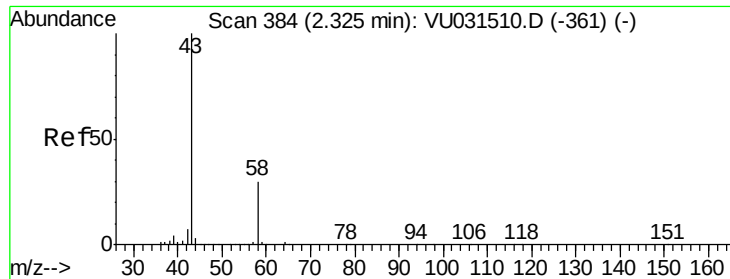
Tgt Ion: 41 Resp: 700443
 Ion Ratio Lower Upper
 41 100
 39 65.2 51.4 77.0



#12
 Acrylonitrile
 Concen: 24.702 ug/l
 RT: 2.93 min Scan# 573
 Delta R.T. -0.00 min
 Lab File: VU031511.D
 Acq: 25 Apr 2019 20:43

Tgt Ion: 53 Resp: 189322
 Ion Ratio Lower Upper
 53 100
 52 88.0 69.4 104.0
 51 35.5 27.5 41.3





#13

Acetone

Concen: 58.278 ug/l

RT: 2.32 min Scan# 382

Delta R.T. -0.01 min

Lab File: VU031511.D

Acq: 25 Apr 2019 20:43

Instrument :

MSVOA_U

ClientSampleId :

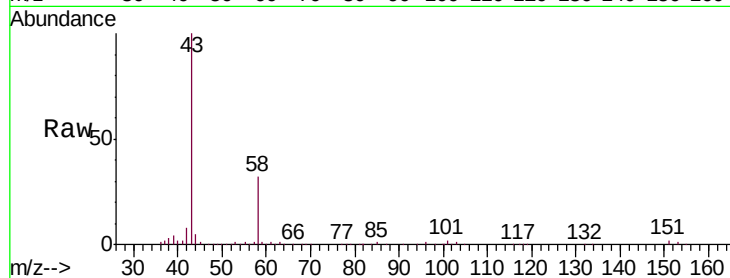
VSTDIC015

Tgt Ion: 43 Resp: 407749

Ion Ratio Lower Upper

43 100

58 31.7 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VU031511.D (-361) (-)

Ion 58.00 (57.70 to 58.70): VU031511.D (-361) (-)

2.32

250000

200000

150000

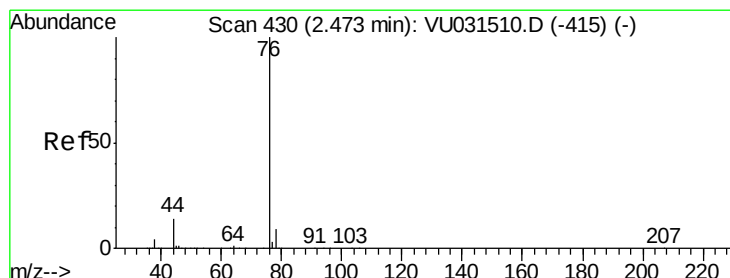
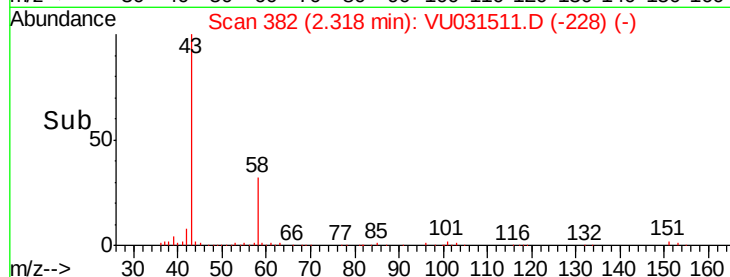
100000

50000

0

Time-->

2.20 2.30 2.40



#14

Carbon Disulfide

Concen: 12.443 ug/l

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU031511.D

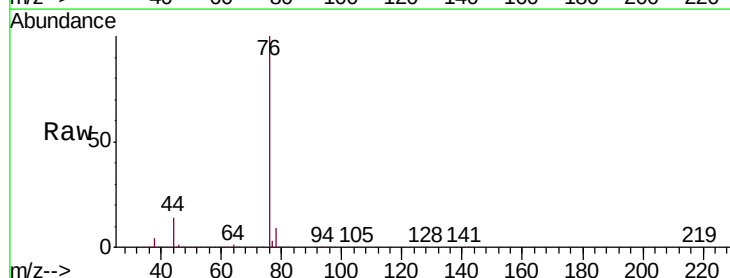
Acq: 25 Apr 2019 20:43

Tgt Ion: 76 Resp: 1218570

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU031511.D (-415) (-)

Ion 78.00 (77.70 to 78.70): VU031511.D (-415) (-)

2.47

800000

600000

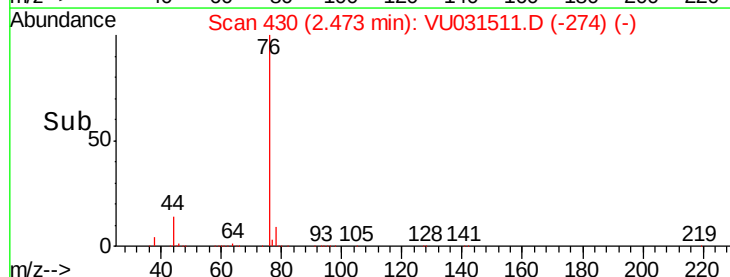
400000

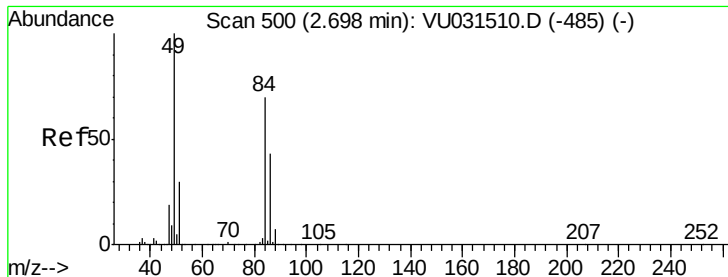
200000

0

Time-->

2.40 2.45 2.50 2.55

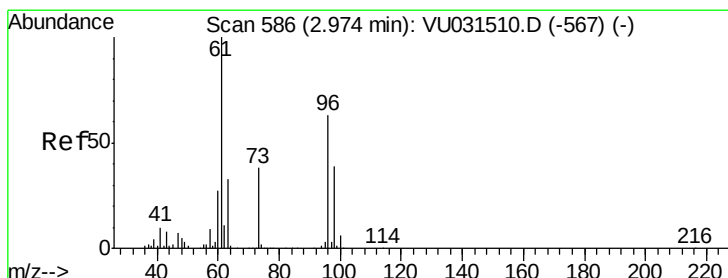
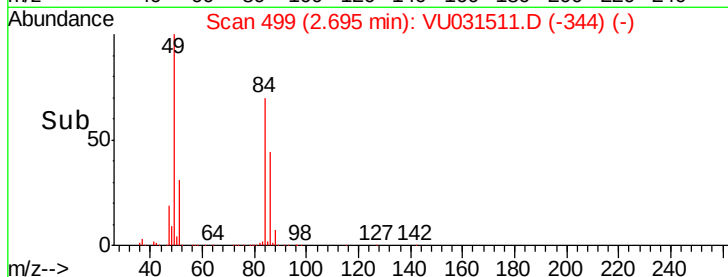
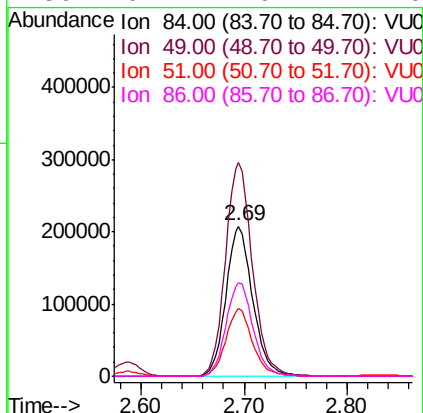
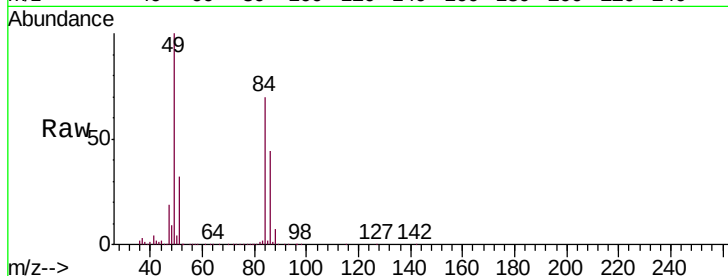




#15
Methylene Chloride
Concen: 11.049 ug/l
RT: 2.69 min Scan# 499
Delta R.T. -0.00 min
Lab File: VU031511.D
Acq: 25 Apr 2019 20:43

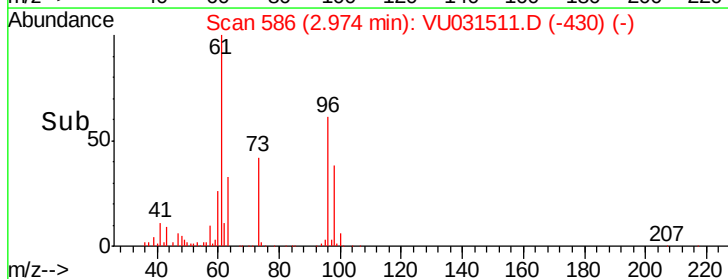
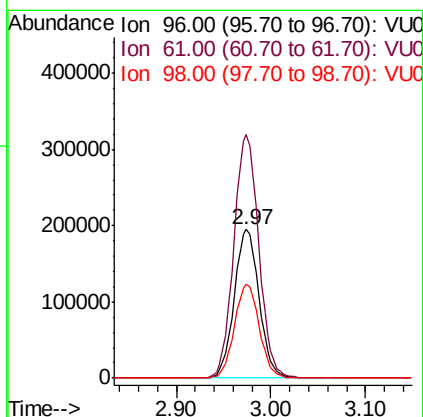
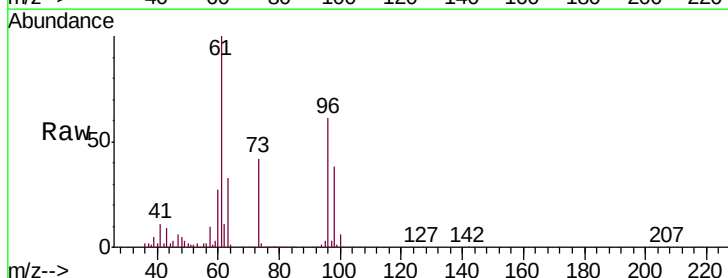
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

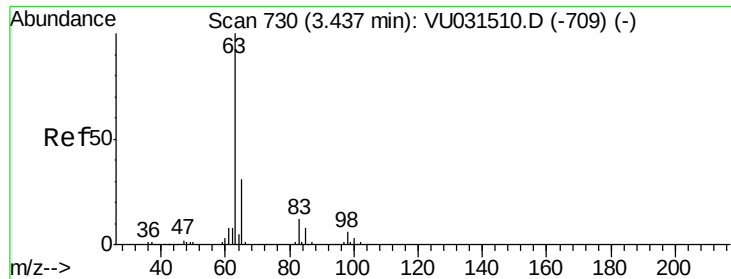
Tgt Ion:	84	Resp:	375282
Ion	Ratio	Lower	Upper
84	100		
49	142.2	113.6	170.4
51	45.0	0.0	85.6
86	62.7	49.4	74.0



#16
trans-1,2-Dichloroethene
Concen: 12.201 ug/l
RT: 2.97 min Scan# 586
Delta R.T. 0.00 min
Lab File: VU031511.D
Acq: 25 Apr 2019 20:43

Tgt Ion:	96	Resp:	356387
Ion	Ratio	Lower	Upper
96	100		
61	163.7	127.2	190.8
98	62.8	49.4	74.0

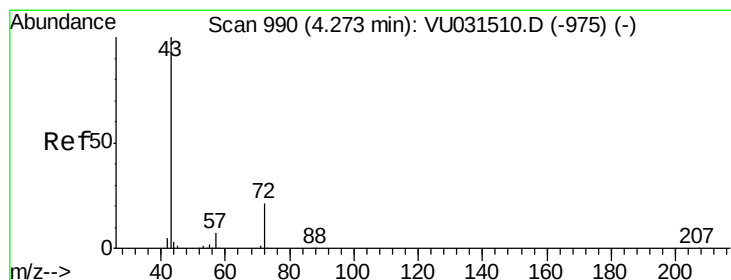
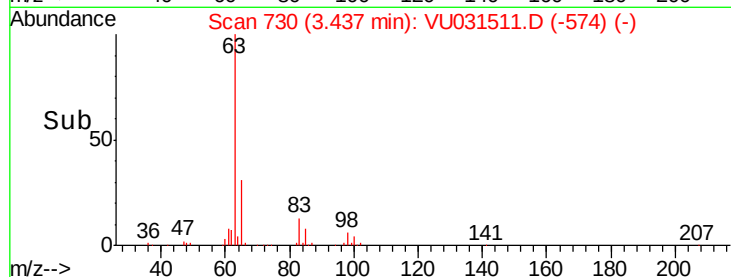
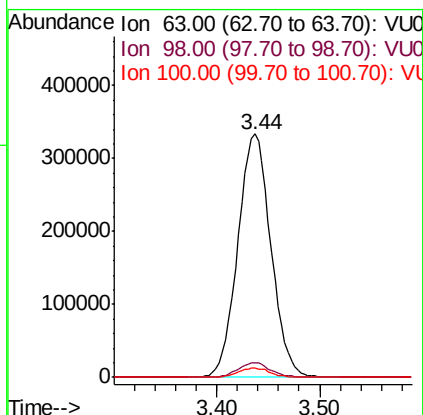
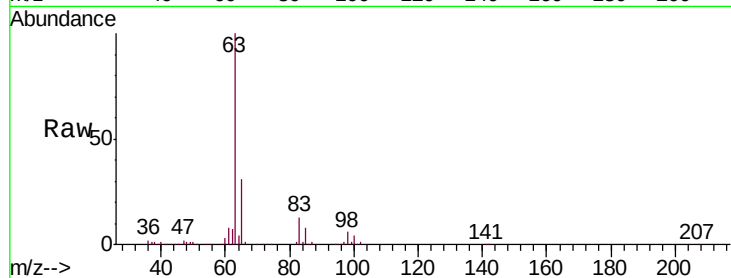




#17
 1,1-Dichloroethane
 Concen: 15.261 ug/l
 RT: 3.44 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU031511.D
 Acq: 25 Apr 2019 20:43

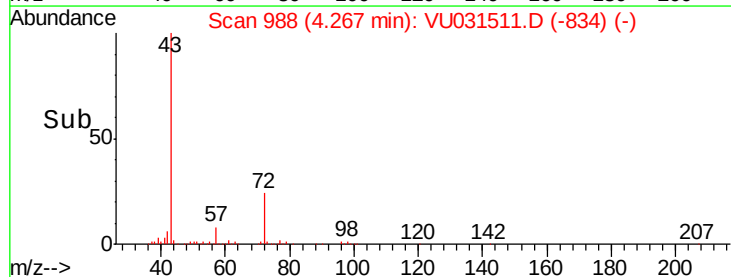
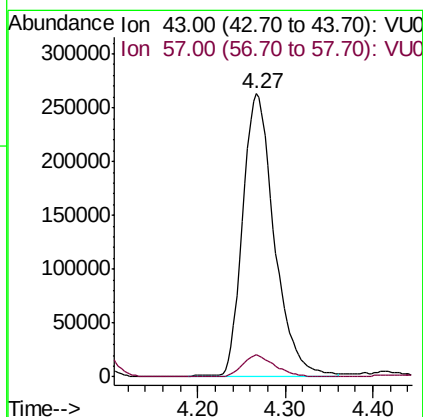
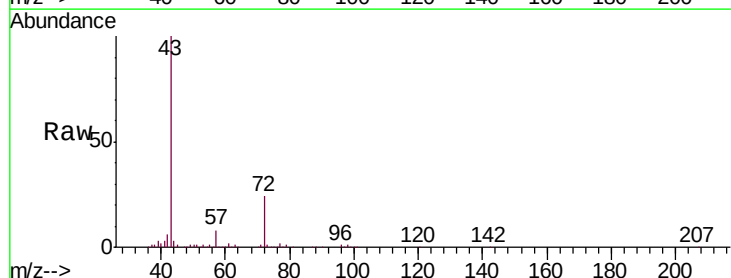
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

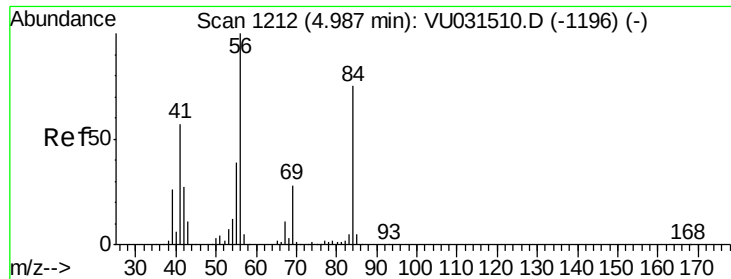
Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.0	3.0	9.2
100	3.6	1.7	5.1



#18
 2-Butanone
 Concen: 86.759 ug/l
 RT: 4.27 min Scan# 988
 Delta R.T. -0.01 min
 Lab File: VU031511.D
 Acq: 25 Apr 2019 20:43

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.6	0.0	14.2

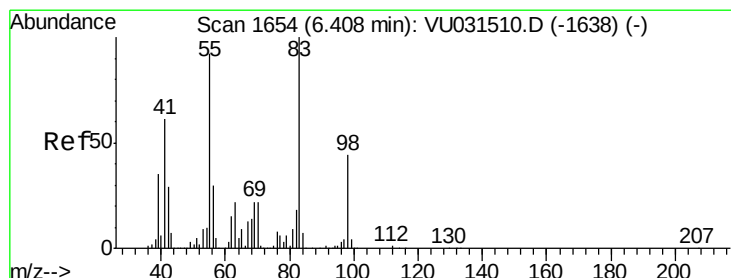
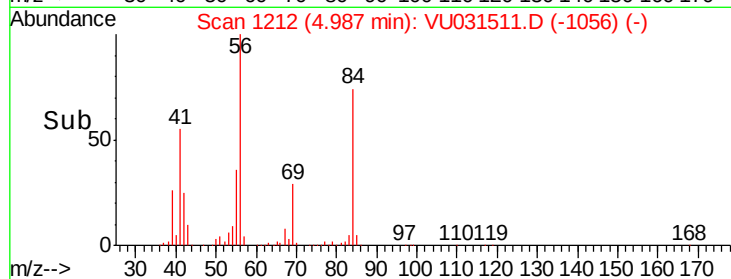
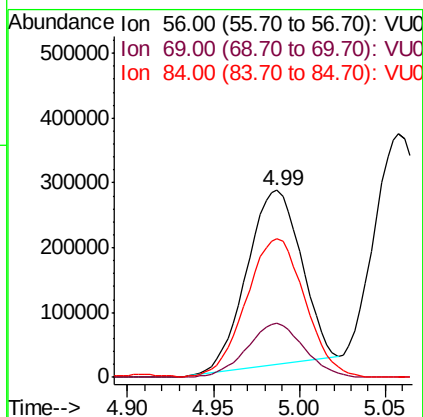
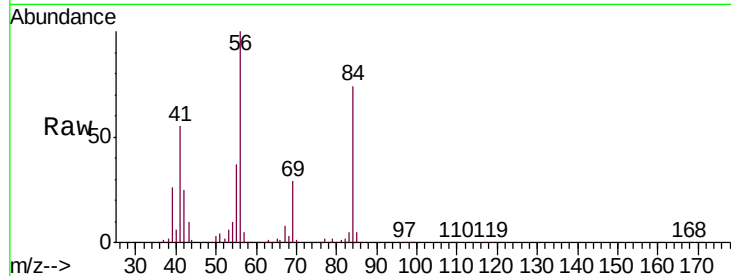




#19
Cyclohexane
Concen: 16.806 ug/l
RT: 4.99 min Scan# 1212
Delta R.T. 0.00 min
Lab File: VU031511.D
Acq: 25 Apr 2019 20:43

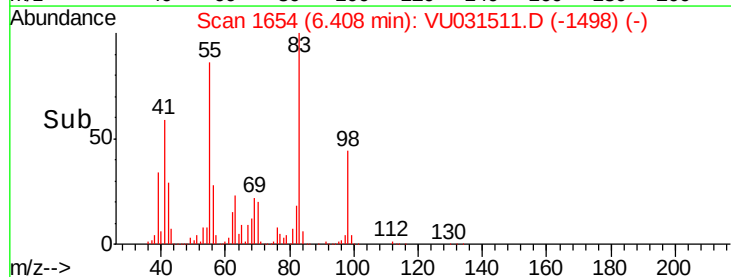
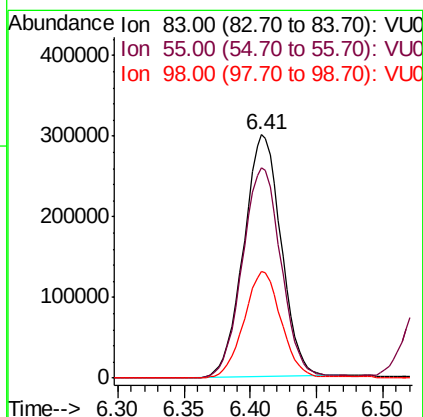
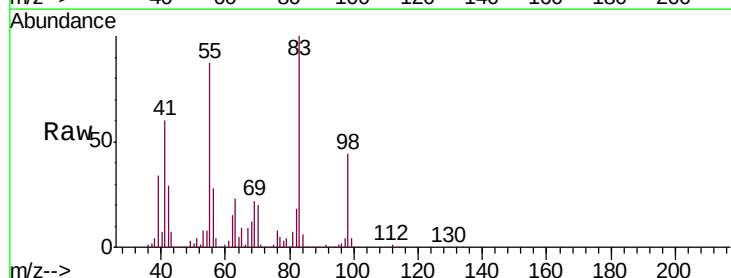
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

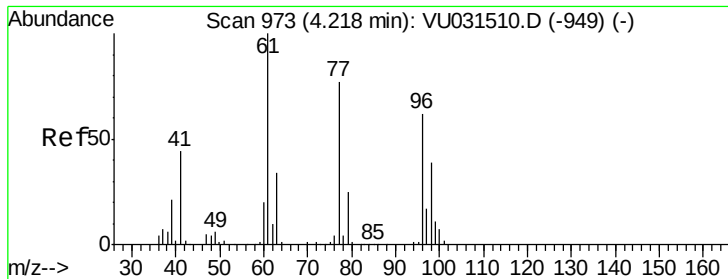
Tgt Ion: 56 Resp: 592323
Ion Ratio Lower Upper
56 100
69 32.6 22.4 33.6
84 85.1 59.0 88.4



#20
Methylcyclohexane
Concen: 17.377 ug/l
RT: 6.41 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VU031511.D
Acq: 25 Apr 2019 20:43

Tgt Ion: 83 Resp: 590293
Ion Ratio Lower Upper
83 100
55 88.9 73.7 110.5
98 43.2 35.2 52.8





#21

2,2-Dichloropropane

Concen: 14.453 ug/l

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU031511.D

Acq: 25 Apr 2019 20:43

Instrument :

MSVOA_U

ClientSampleId :

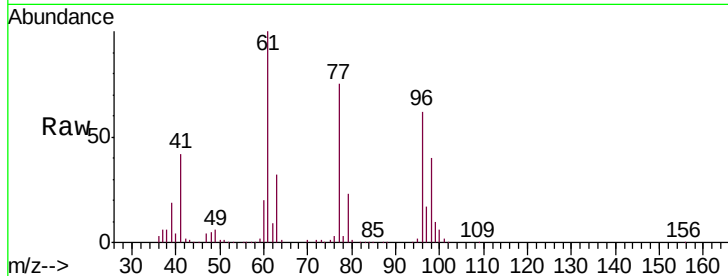
VSTDIC015

Tgt Ion: 77 Resp: 537790

Ion Ratio Lower Upper

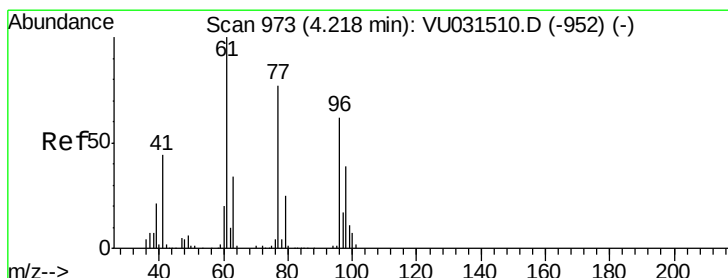
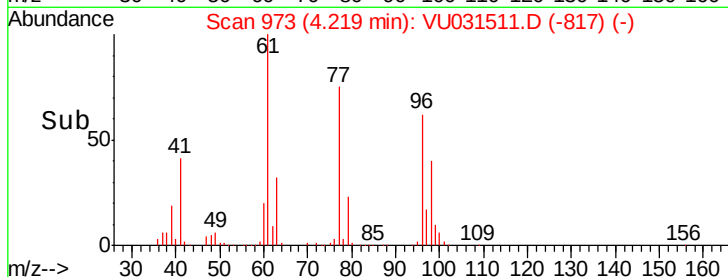
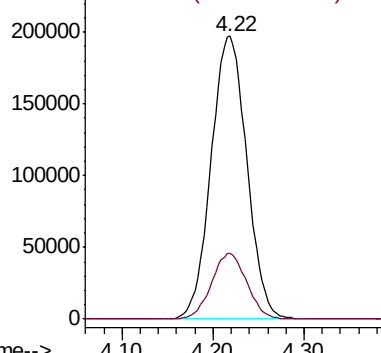
77 100

97 22.8 17.5 26.3



Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



#22

cis-1,2-Dichloroethene

Concen: 15.045 ug/l

RT: 4.22 min Scan# 972

Delta R.T. -0.00 min

Lab File: VU031511.D

Acq: 25 Apr 2019 20:43

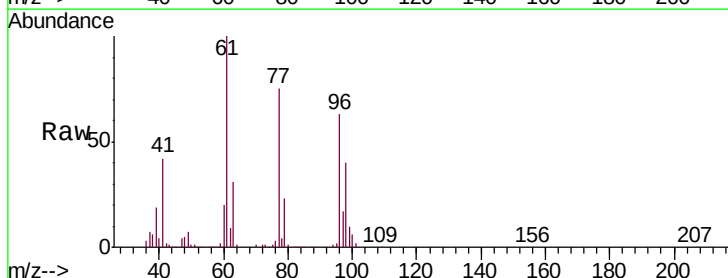
Tgt Ion: 96 Resp: 397382

Ion Ratio Lower Upper

96 100

61 163.6 0.0 408.8

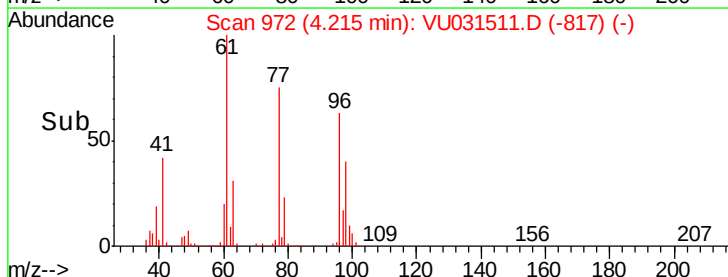
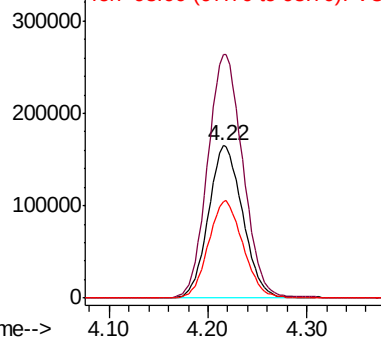
98 64.4 31.1 93.3

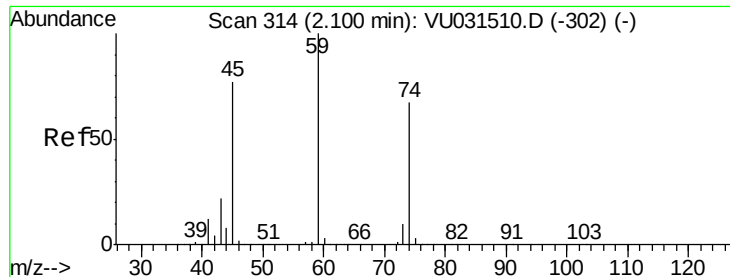


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

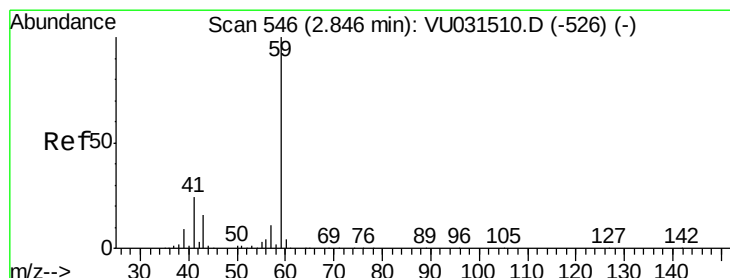
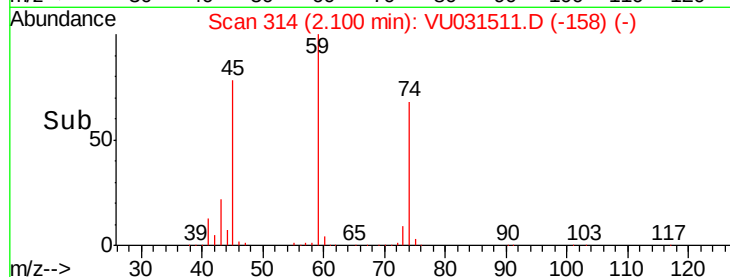
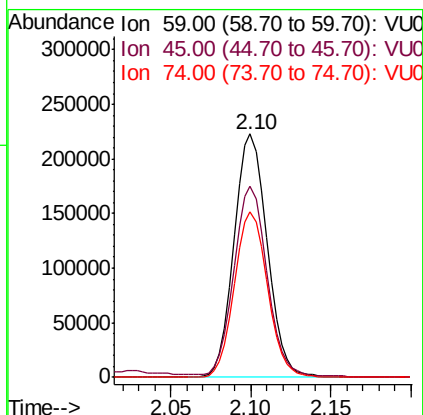
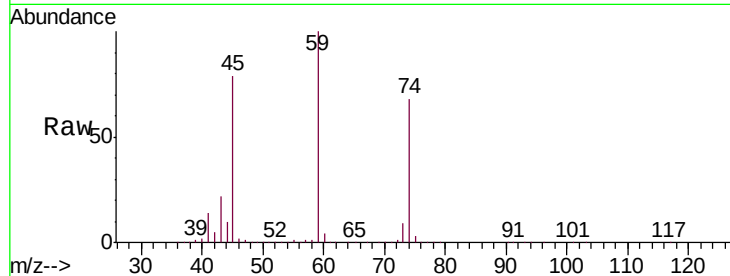




#23
 Diethyl Ether
 Concen: 12.719 ug/l
 RT: 2.10 min Scan# 314
 Delta R.T. 0.00 min
 Lab File: VU031511.D
 Acq: 25 Apr 2019 20:43

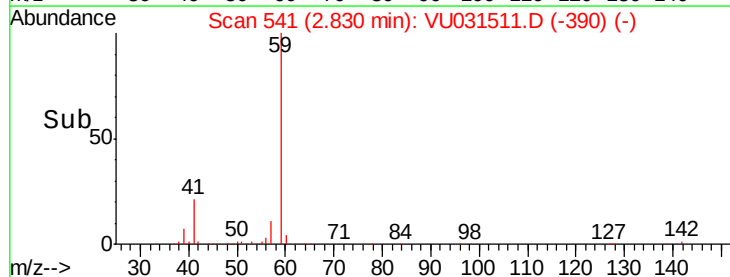
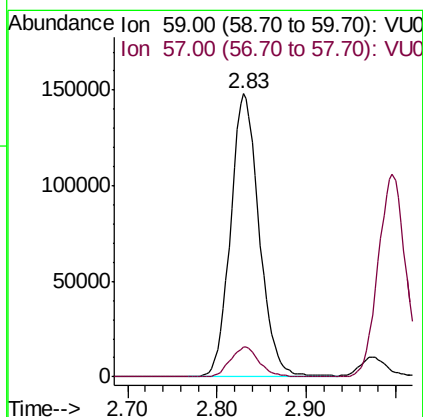
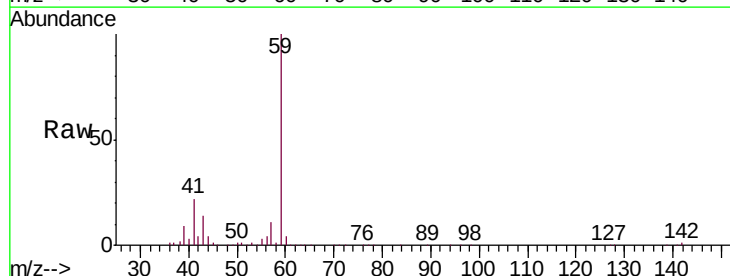
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

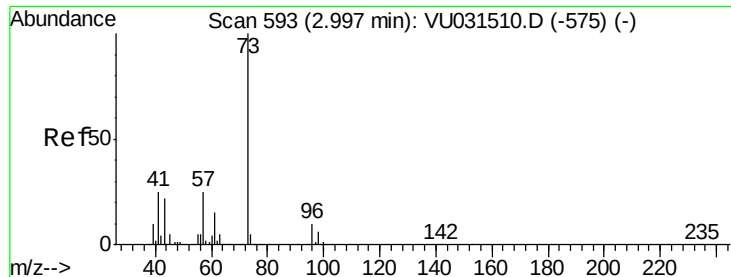
Tgt Ion:	59	Resp:	313858
Ion	Ratio	Lower	Upper
59	100		
45	78.6	64.5	96.7
74	68.1	54.6	81.8



#24
 tert-Butyl Alcohol
 Concen: 126.496 ug/l
 RT: 2.83 min Scan# 541
 Delta R.T. -0.02 min
 Lab File: VU031511.D
 Acq: 25 Apr 2019 20:43

Tgt Ion:	59	Resp:	329507
Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.2	12.2





#25

Methyl tert-Butyl Ether

Concen: 12.594 ug/l

RT: 3.00 min Scan# 593

Delta R.T. 0.00 min

Lab File: VU031511.D

Acq: 25 Apr 2019 20:43

Instrument :

MSVOA_U

ClientSampleId :

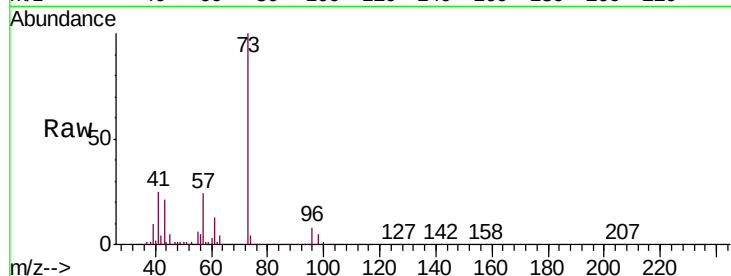
VSTDIC015

Tgt Ion: 73 Resp: 968565

Ion Ratio Lower Upper

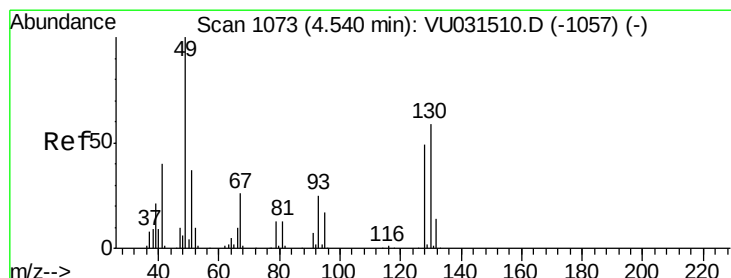
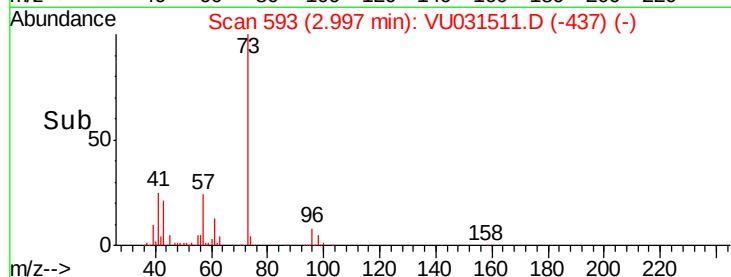
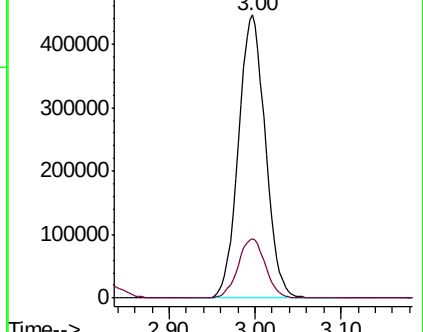
73 100

43 21.2 16.9 25.3



Abundance Ion 73.00 (72.70 to 73.70): VU031511.D (-437) (-)

Ion 43.00 (42.70 to 43.70): VU031511.D (-437) (-)



#26

Bromochloromethane

Concen: 13.966 ug/l

RT: 4.54 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VU031511.D

Acq: 25 Apr 2019 20:43

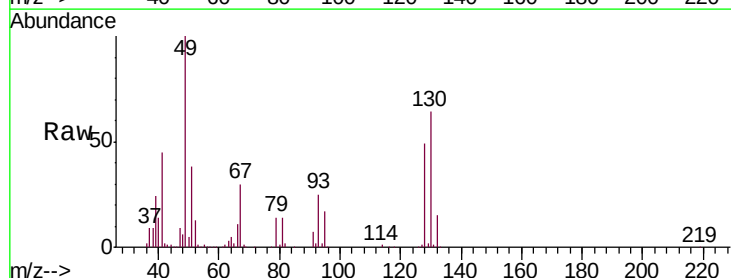
Tgt Ion: 128 Resp: 166181

Ion Ratio Lower Upper

128 100

49 204.8 0.0 407.2

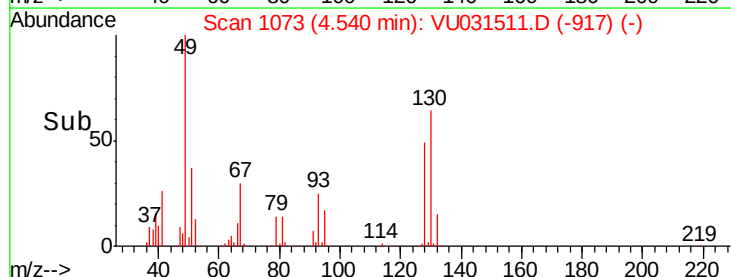
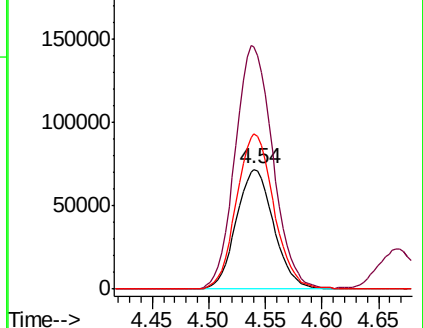
130 129.7 101.4 152.2

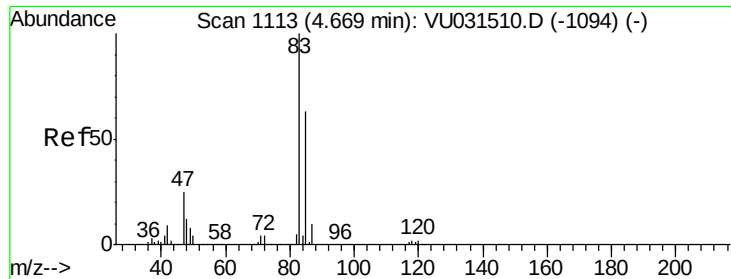


Abundance Ion 128.00 (127.70 to 128.70): VU031511.D (-917) (-)

Ion 49.00 (48.70 to 49.70): VU031511.D (-917) (-)

Ion 130.00 (129.70 to 130.70): VU031511.D (-917) (-)





#27

Chloroform

Concen: 14.654 ug/l

RT: 4.67 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VU031511.D

Acq: 25 Apr 2019 20:43

Instrument :

MSVOA_U

ClientSampleId :

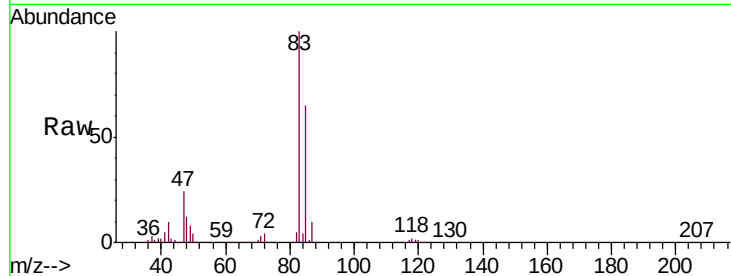
VSTDIC015

Tgt Ion: 83 Resp: 697850

Ion Ratio Lower Upper

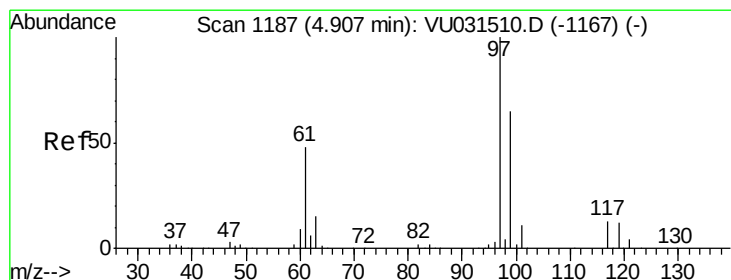
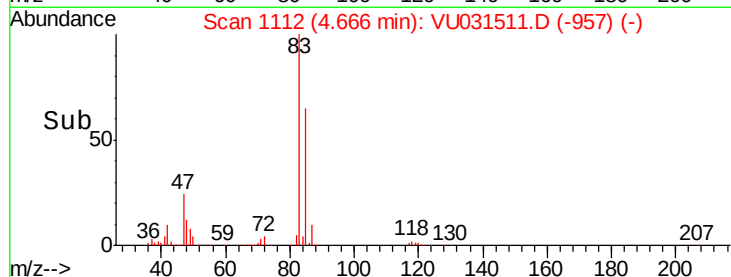
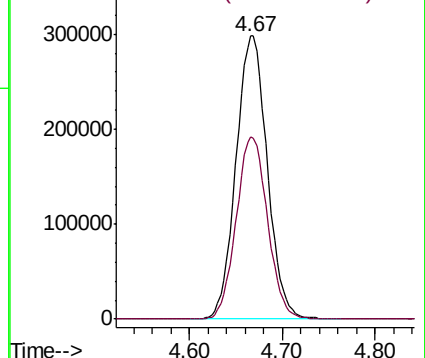
83 100

85 64.5 0.0 126.2



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#28

1,1,1-Trichloroethane

Concen: 14.492 ug/l

RT: 4.91 min Scan# 1187

Delta R.T. 0.00 min

Lab File: VU031511.D

Acq: 25 Apr 2019 20:43

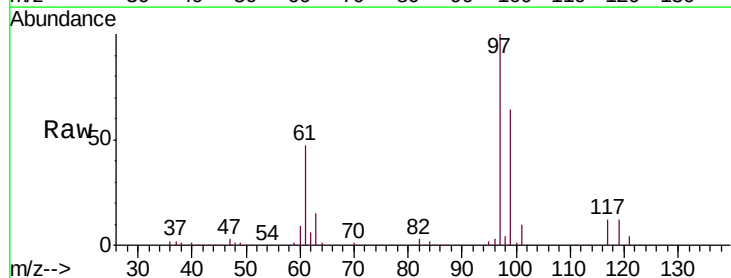
Tgt Ion: 97 Resp: 584121

Ion Ratio Lower Upper

97 100

99 63.9 32.0 96.2

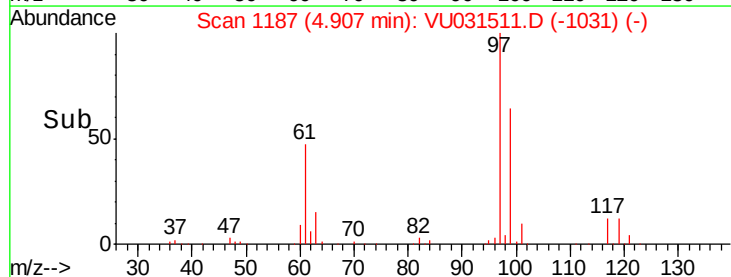
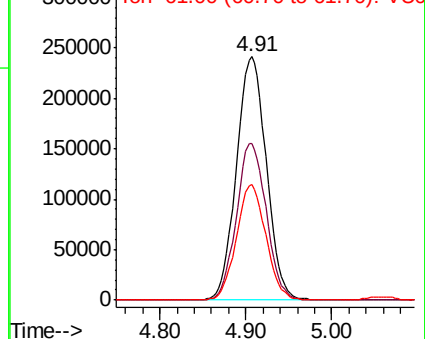
61 46.7 24.0 72.0

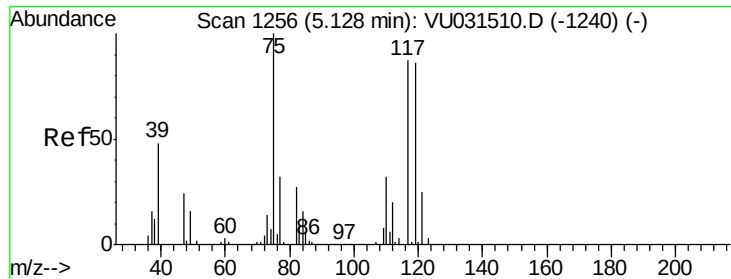


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

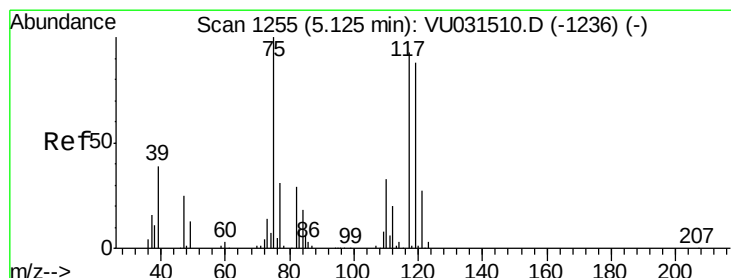
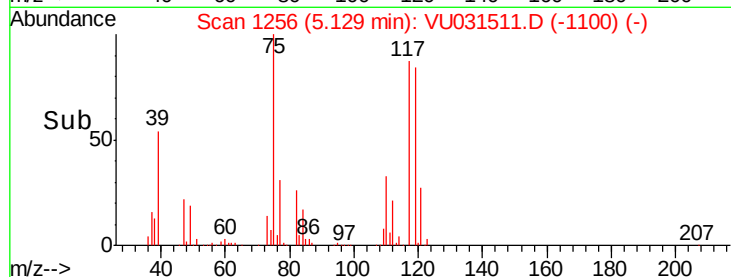
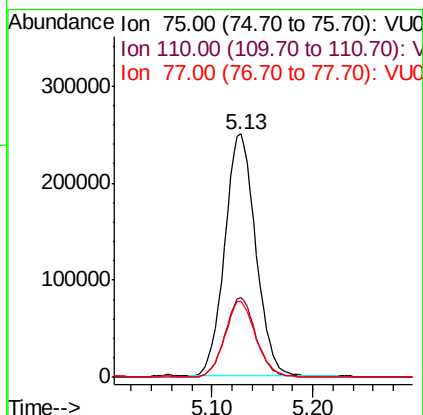
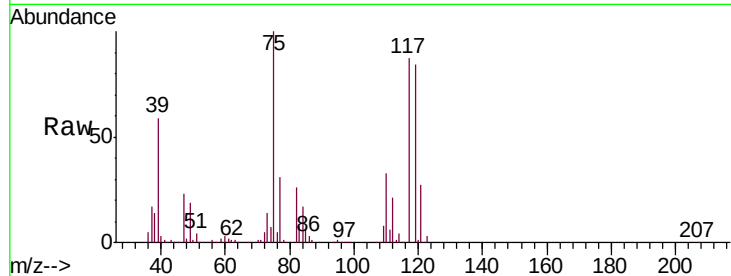




#29
 1,1-Dichloropropene
 Concen: 15.750 ug/l
 RT: 5.13 min Scan# 1256
 Delta R.T. 0.00 min
 Lab File: VU031511.D
 Acq: 25 Apr 2019 20:43

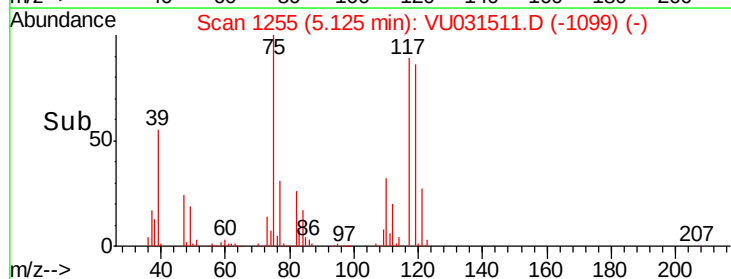
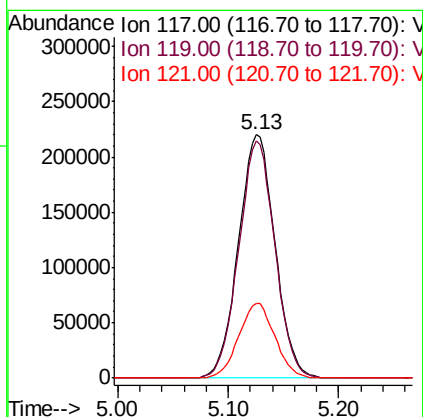
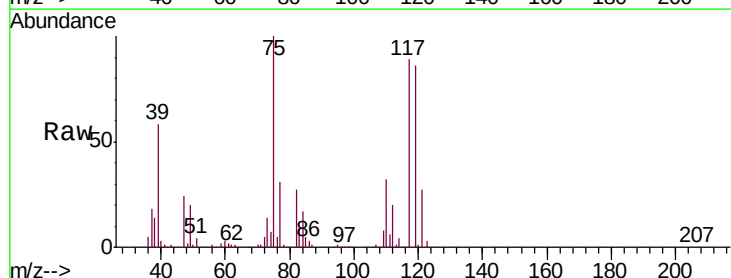
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

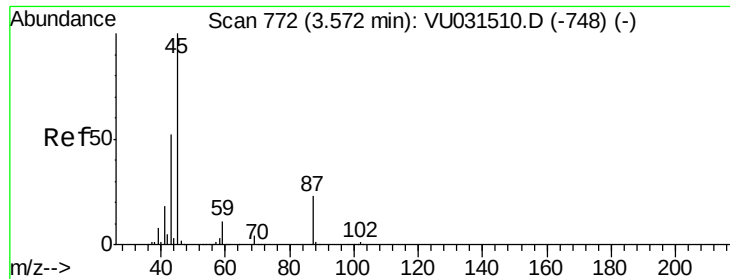
Tgt Ion: 75 Resp: 534696
 Ion Ratio Lower Upper
 75 100
 110 32.7 16.4 49.1
 77 30.9 25.0 37.6



#30
 Carbon Tetrachloride
 Concen: 14.306 ug/l
 RT: 5.13 min Scan# 1255
 Delta R.T. 0.00 min
 Lab File: VU031511.D
 Acq: 25 Apr 2019 20:43

Tgt Ion: 117 Resp: 505643
 Ion Ratio Lower Upper
 117 100
 119 97.3 76.1 114.1
 121 30.9 23.3 34.9





#31

Isopropyl Ether

Concen: 17.186 ug/l

RT: 3.57 min Scan# 771

Delta R.T. -0.00 min

Lab File: VU031511.D

Acq: 25 Apr 2019 20:43

Instrument :

MSVOA_U

ClientSampleId :

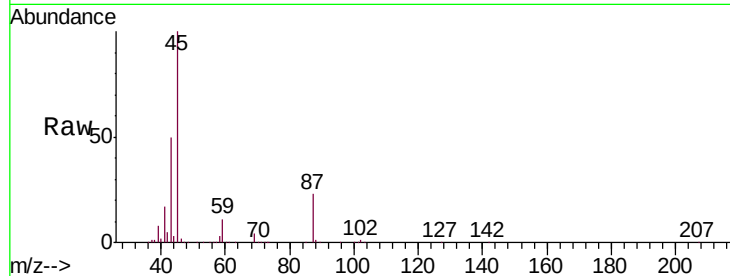
VSTDIC015

Tgt Ion: 45 Resp: 1241051

Ion Ratio Lower Upper

45 100

43 50.4 26.0 78.0



Abundance Ion 45.00 (44.70 to 45.70): VU031510.D (-748) (-)

Ion 43.00 (42.70 to 43.70): VU031510.D (-748) (-)

3.57

500000

400000

300000

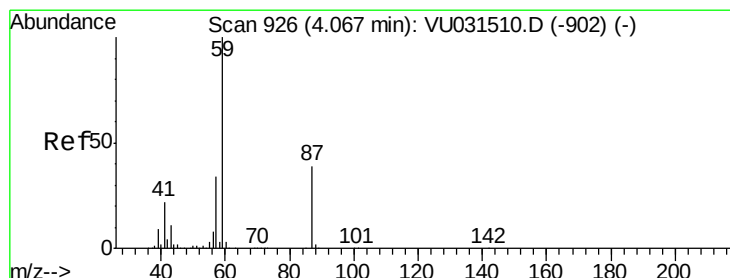
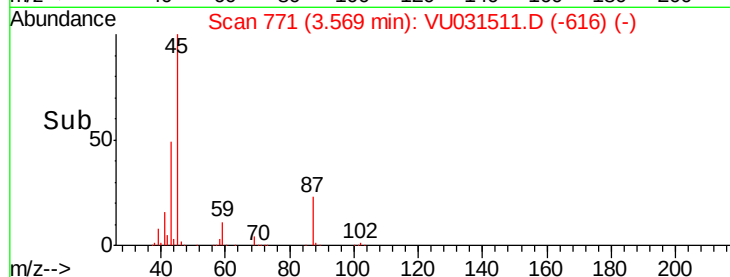
200000

100000

0

Time-->

3.50 3.60 3.70



#32

Ethyl-t-butyl ether

Concen: 17.389 ug/l

RT: 4.07 min Scan# 926

Delta R.T. 0.00 min

Lab File: VU031511.D

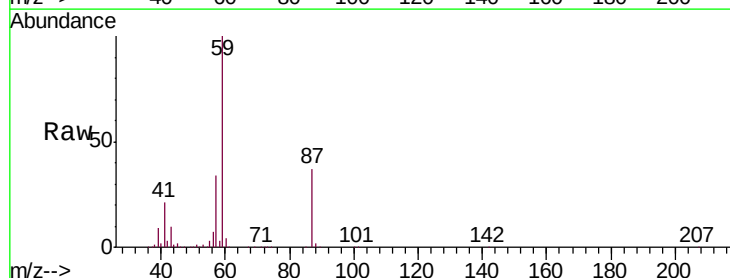
Acq: 25 Apr 2019 20:43

Tgt Ion: 59 Resp: 1055094

Ion Ratio Lower Upper

59 100

87 37.7 29.9 44.9



Abundance Ion 59.00 (58.70 to 59.70): VU031510.D (-902) (-)

Ion 87.00 (86.70 to 87.70): VU031510.D (-902) (-)

4.07

400000

300000

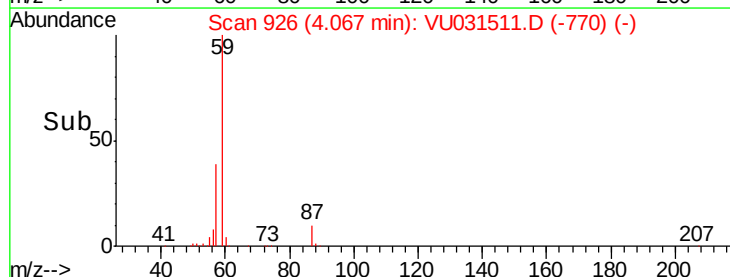
200000

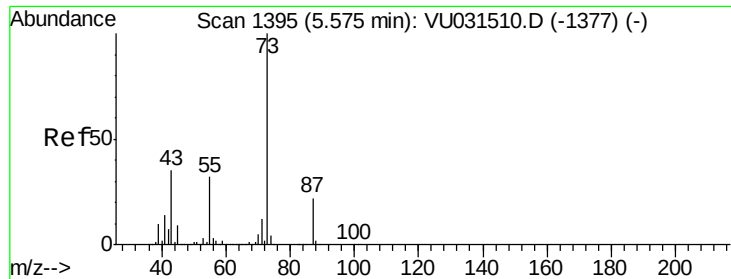
100000

0

Time-->

3.90 4.00 4.10 4.20

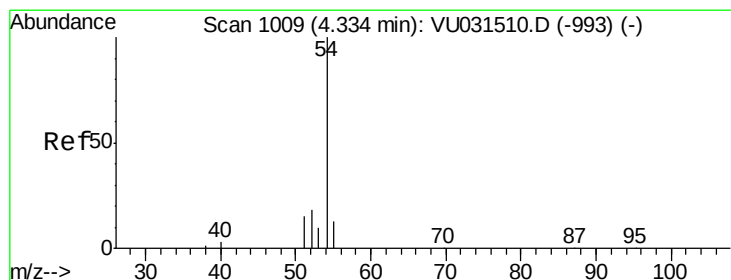
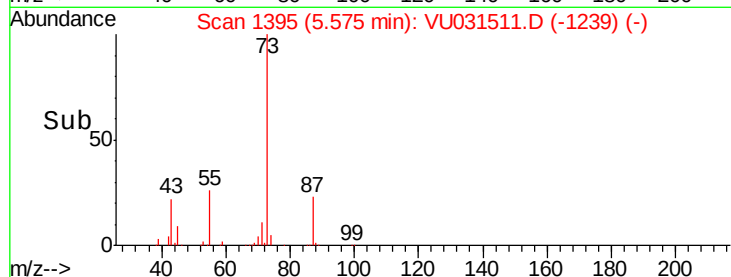
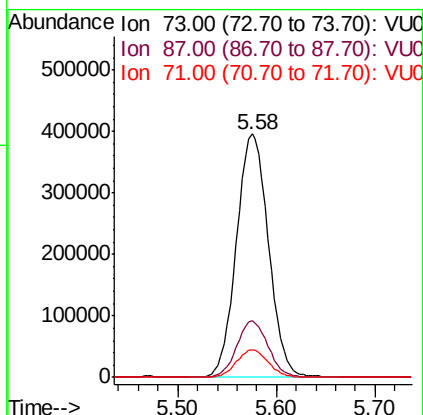
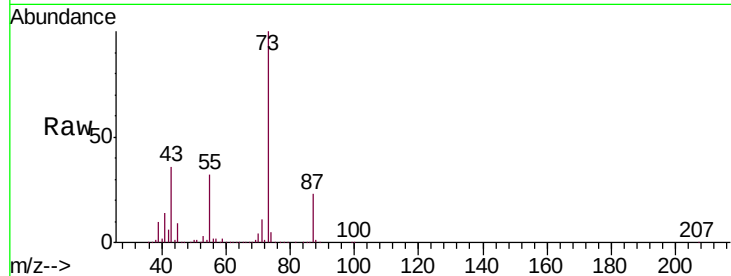




#33
 Tert-Amyl methyl ether
 Concen: 17.163 ug/l
 RT: 5.58 min Scan# 1395
 Delta R.T. 0.00 min
 Lab File: VU031511.D
 Acq: 25 Apr 2019 20:43

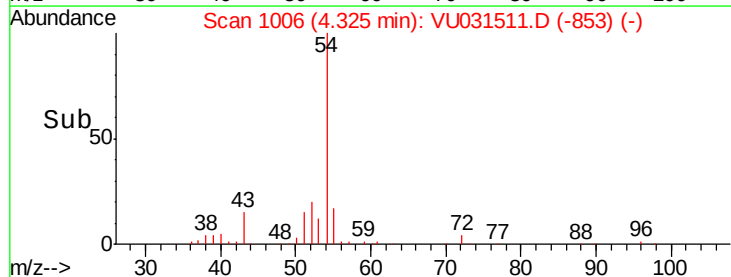
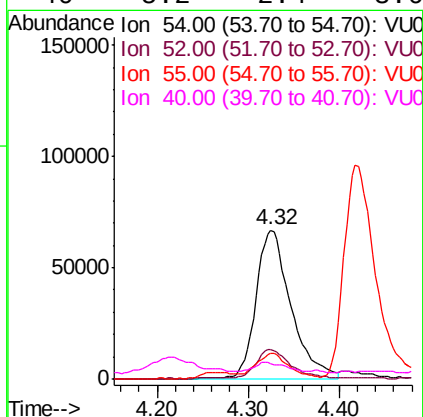
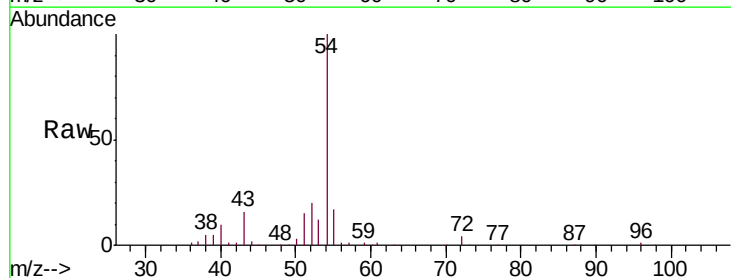
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

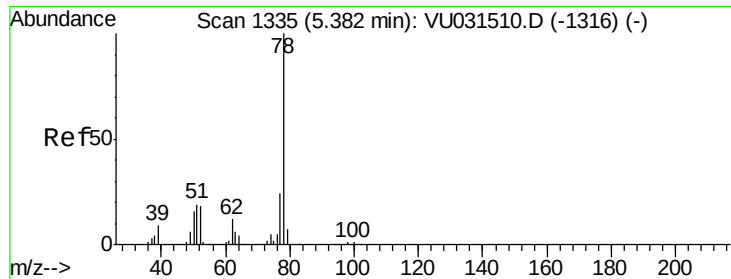
Tgt Ion: 73 Resp: 885418
 Ion Ratio Lower Upper
 73 100
 87 22.6 18.2 27.2
 71 11.3 9.0 13.6



#34
 Propionitrile
 Concen: 86.140 ug/l
 RT: 4.32 min Scan# 1006
 Delta R.T. -0.01 min
 Lab File: VU031511.D
 Acq: 25 Apr 2019 20:43

Tgt Ion: 54 Resp: 179351
 Ion Ratio Lower Upper
 54 100
 52 17.9 15.0 22.4
 55 14.2 13.5 20.3
 40 5.2 2.4 3.6#





#35

Benzene

Concen: 15.523 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU031511.D

Acq: 25 Apr 2019 20:43

Instrument :

MSVOA_U

ClientSampleId :

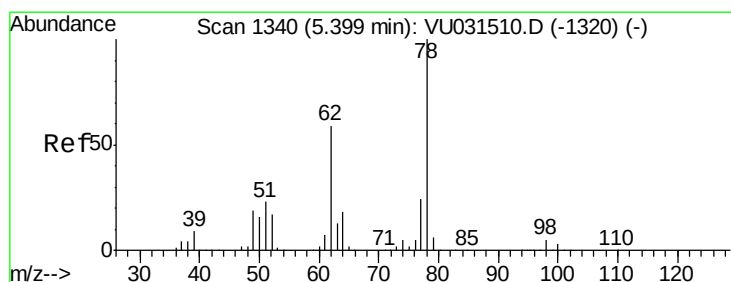
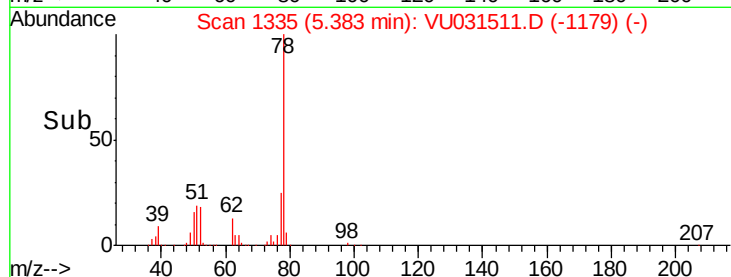
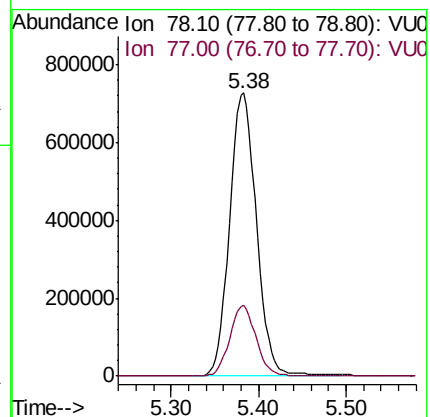
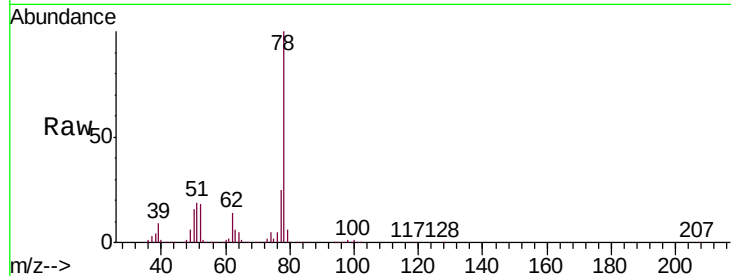
VSTDIC015

Tgt Ion: 78 Resp: 1553371

Ion Ratio Lower Upper

78 100

77 24.8 19.2 28.8



#36

1,2-Dichloroethane

Concen: 14.816 ug/l

RT: 5.40 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VU031511.D

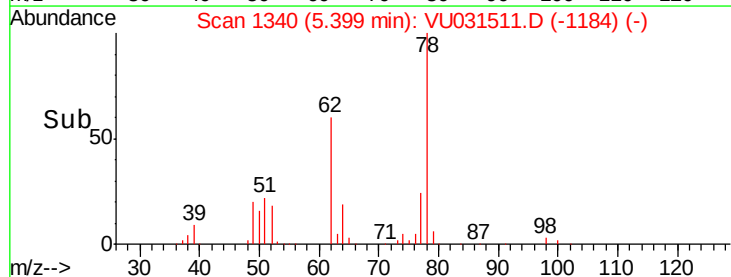
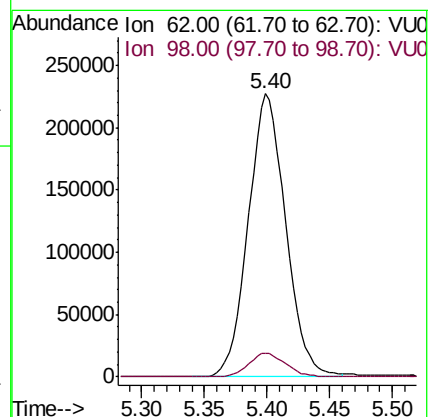
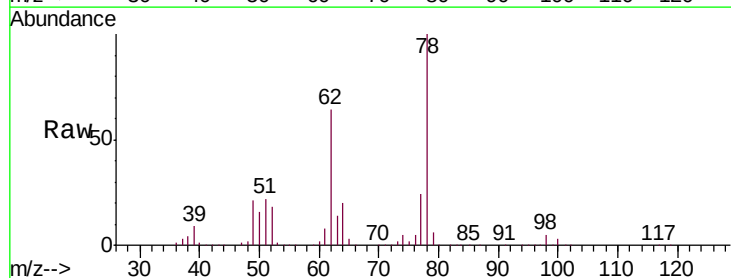
Acq: 25 Apr 2019 20:43

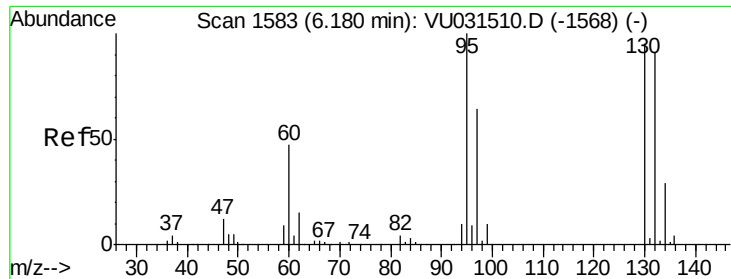
Tgt Ion: 62 Resp: 472469

Ion Ratio Lower Upper

62 100

98 8.4 6.7 10.1

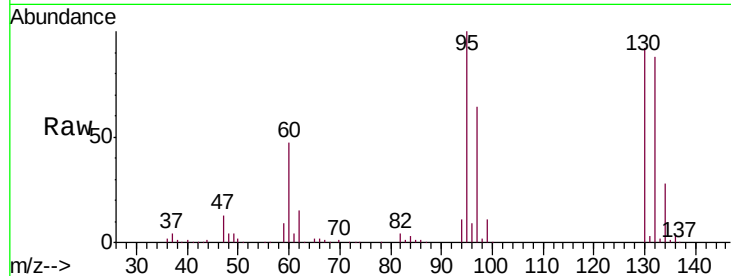




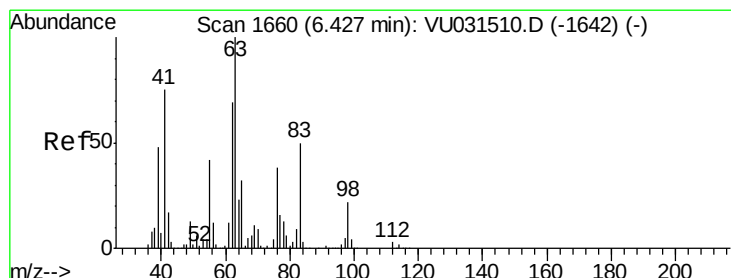
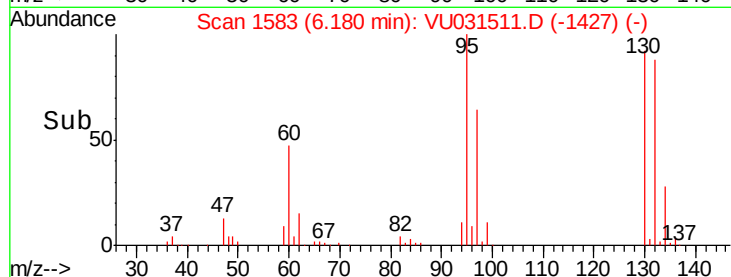
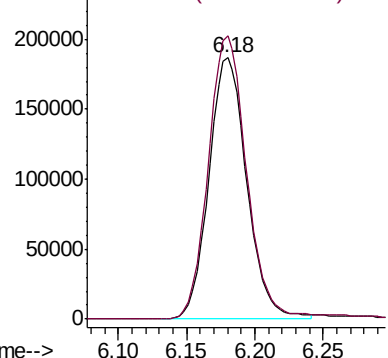
#37
 Trichloroethene
 Concen: 13.093 ug/l
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VU031511.D
 Acq: 25 Apr 2019 20:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tgt Ion: 130 Resp: 361788
 Ion Ratio Lower Upper
 130 100
 95 108.3 83.8 125.8

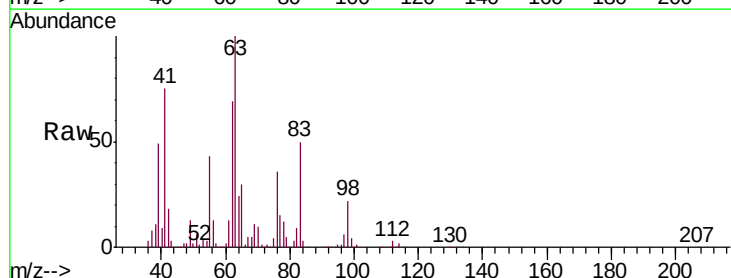


Abundance Ion 129.90 (129.60 to 130.60): VU031511.D (-1568) (-)
 Ion 94.90 (94.60 to 95.60): VU031511.D (-1568) (-)

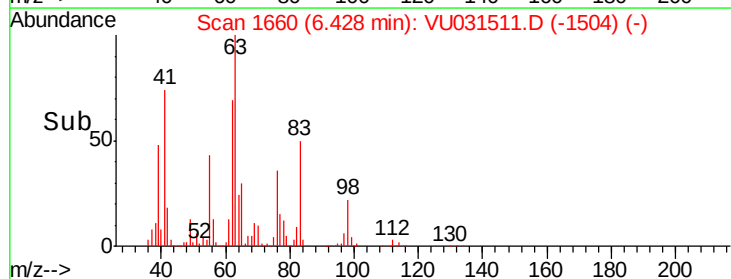
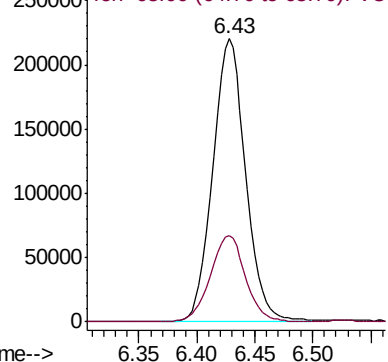


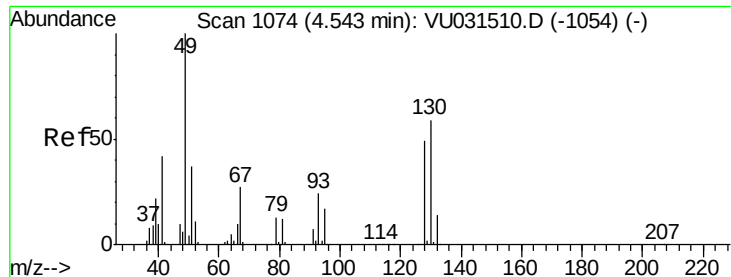
#38
 1,2-Dichloropropane
 Concen: 16.165 ug/l
 RT: 6.43 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VU031511.D
 Acq: 25 Apr 2019 20:43

Tgt Ion: 63 Resp: 433507
 Ion Ratio Lower Upper
 63 100
 65 30.4 25.3 37.9



Abundance Ion 63.00 (62.70 to 63.70): VU031511.D (-1504) (-)
 Ion 65.00 (64.70 to 65.70): VU031511.D (-1504) (-)





#39

Methacrylonitrile

Concen: 17.052 ug/l

RT: 4.54 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VU031511.D

Acq: 25 Apr 2019 20:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion: 41 Resp: 159509

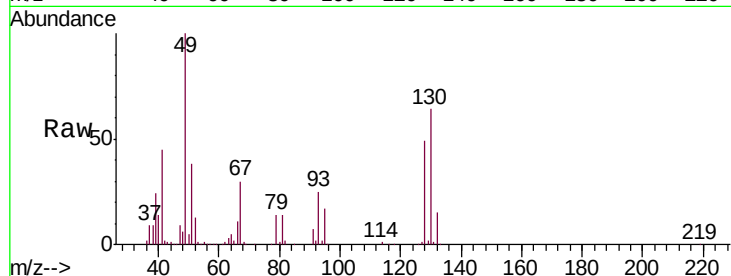
Ion Ratio Lower Upper

41 100

67 67.8 54.2 81.4

39 53.5 43.8 65.8

52 27.0 21.8 32.8

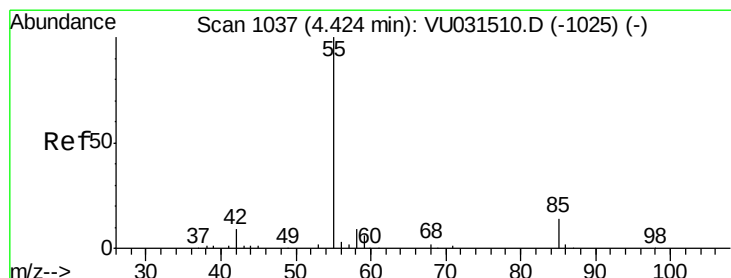
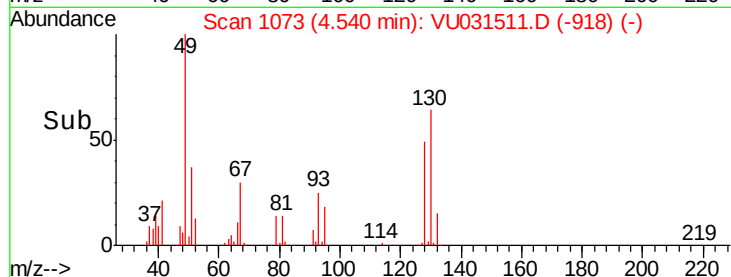
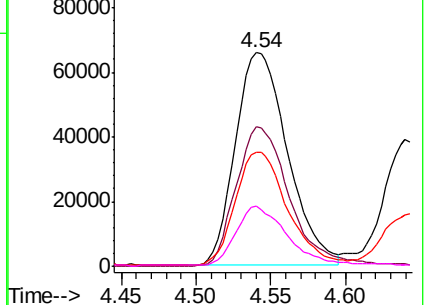


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#40

Methyl acrylate

Concen: 18.936 ug/l

RT: 4.42 min Scan# 1035

Delta R.T. -0.01 min

Lab File: VU031511.D

Acq: 25 Apr 2019 20:43

Tgt Ion: 55 Resp: 228562

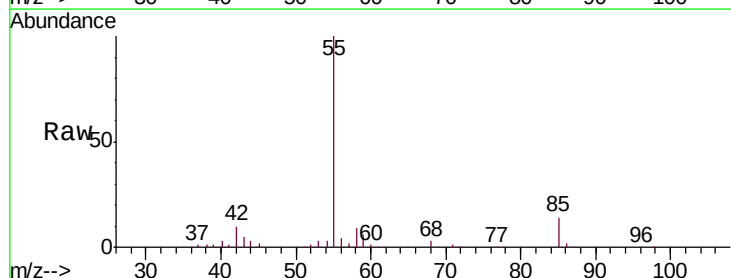
Ion Ratio Lower Upper

55 100

85 14.9 11.5 17.3

58 8.6 6.5 9.7

42 10.0 7.4 11.2

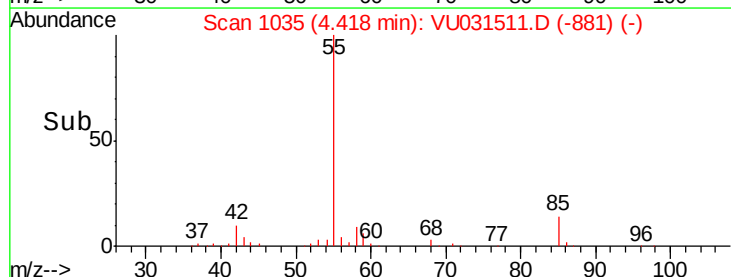
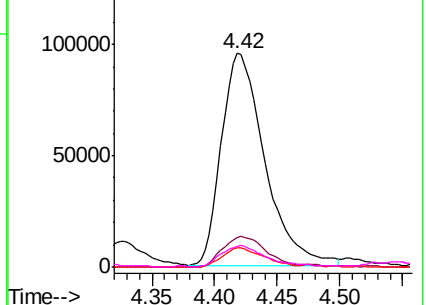


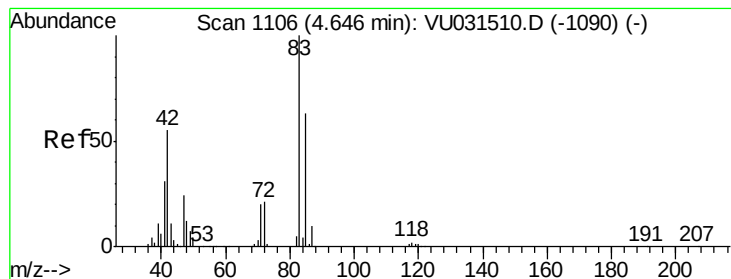
Abundance Ion 55.00 (54.70 to 55.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 42.00 (41.70 to 42.70): VU0





#41

Tetrahydrofuran

Concen: 34.970 ug/l

RT: 4.64 min Scan# 1104

Delta R.T. -0.01 min

Lab File: VU031511.D

Acq: 25 Apr 2019 20:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

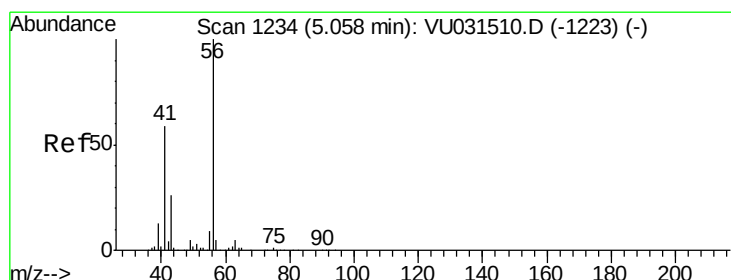
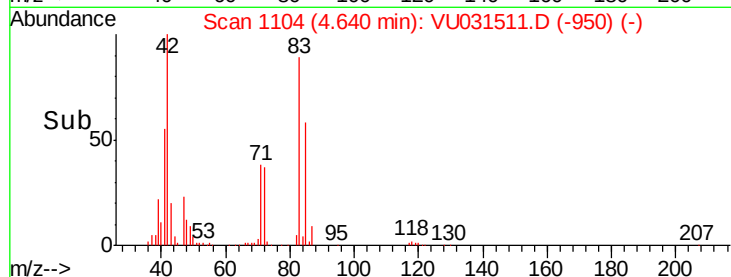
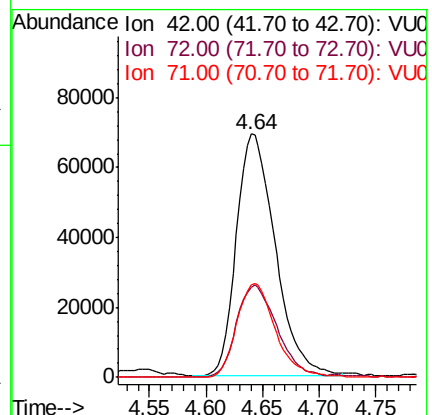
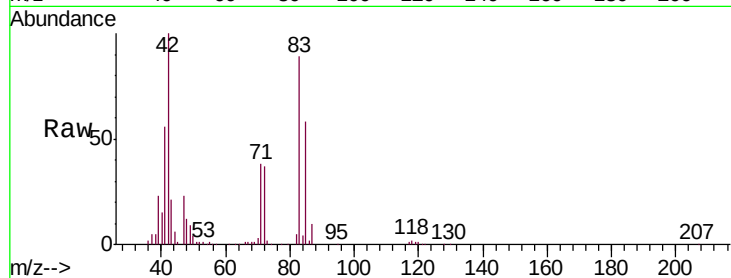
Tgt Ion: 42 Resp: 166796

Ion Ratio Lower Upper

42 100

72 38.7 32.1 48.1

71 38.3 29.2 43.8



#42

1-Chlorobutane

Concen: 16.854 ug/l

RT: 5.06 min Scan# 1234

Delta R.T. 0.00 min

Lab File: VU031511.D

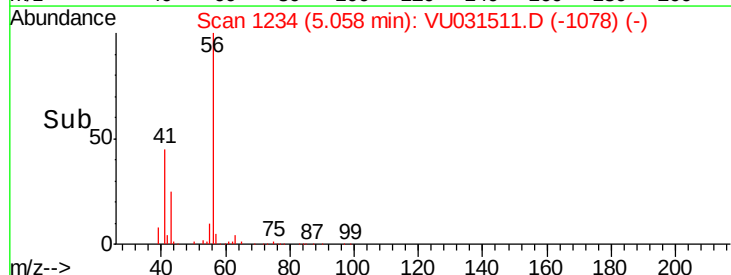
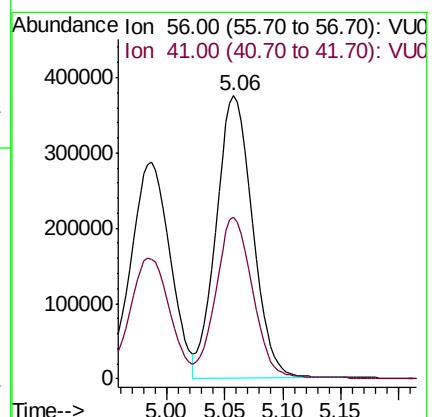
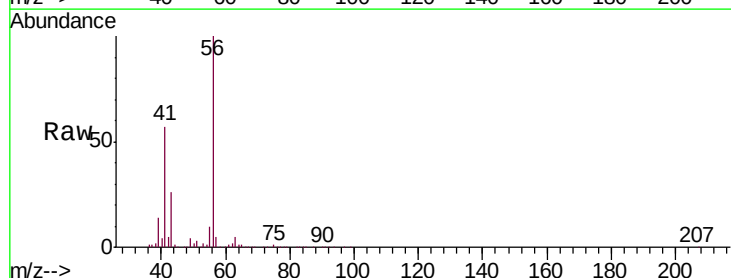
Acq: 25 Apr 2019 20:43

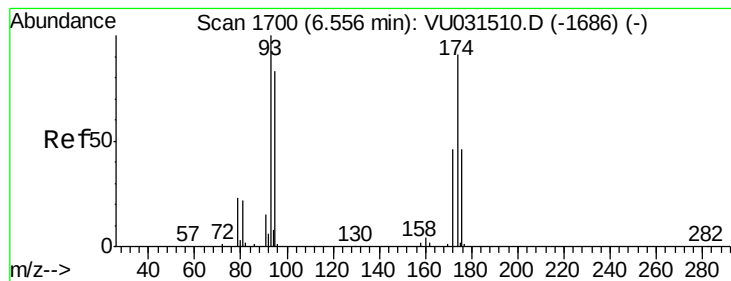
Tgt Ion: 56 Resp: 818578

Ion Ratio Lower Upper

56 100

41 56.2 29.3 88.0





#43

Dibromomethane

Concen: 14.243 ug/l

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VU031511.D

Acq: 25 Apr 2019 20:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

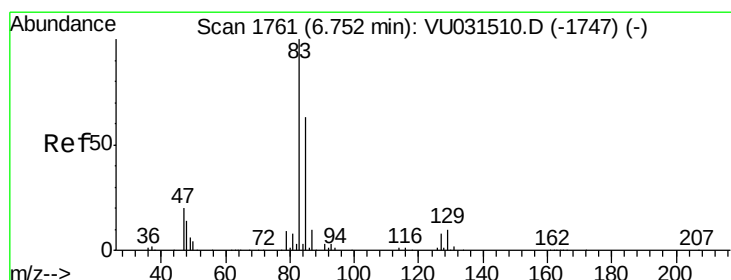
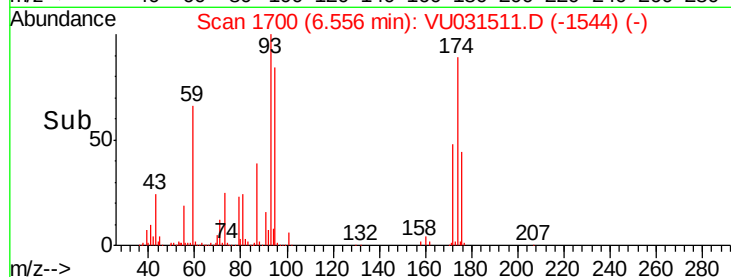
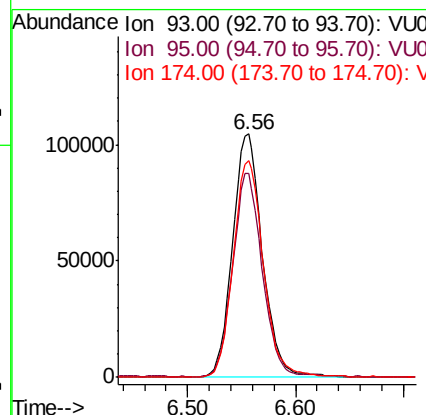
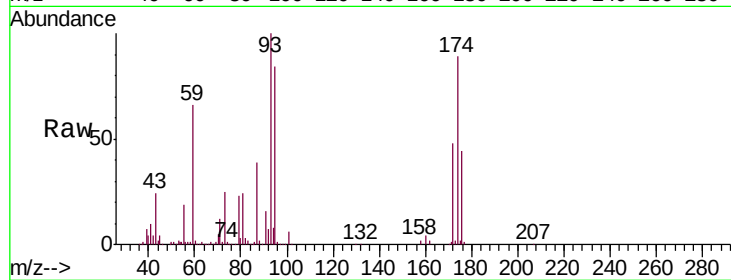
Tgt Ion: 93 Resp: 202222

Ion Ratio Lower Upper

93 100

95 82.3 65.7 98.5

174 90.4 71.8 107.8



#44

Bromodichloromethane

Concen: 14.867 ug/l

RT: 6.75 min Scan# 1761

Delta R.T. 0.00 min

Lab File: VU031511.D

Acq: 25 Apr 2019 20:43

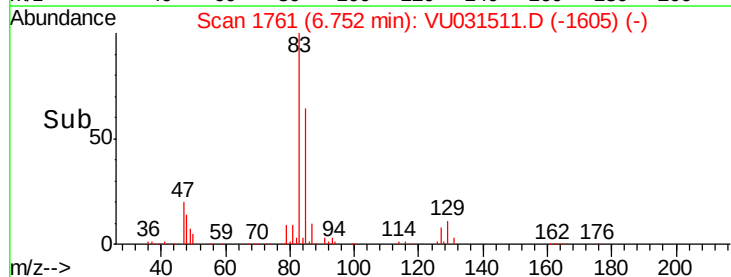
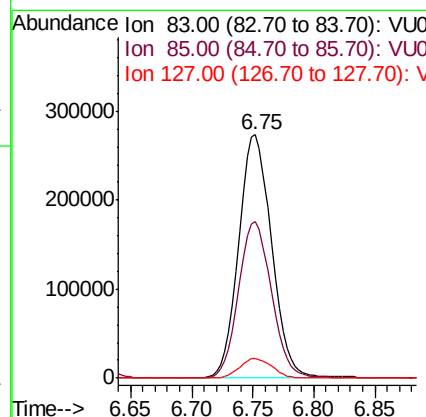
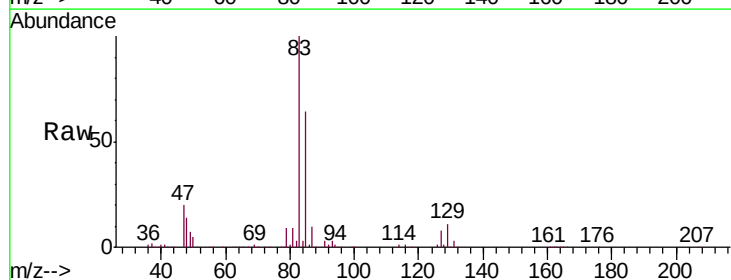
Tgt Ion: 83 Resp: 511411

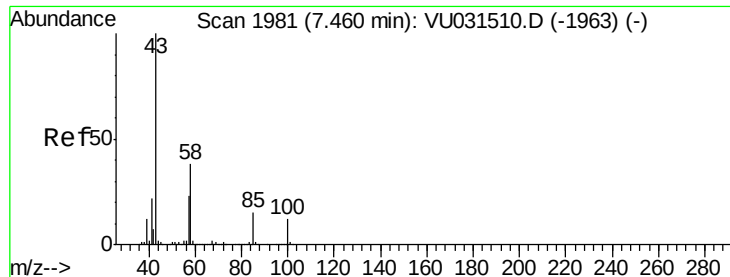
Ion Ratio Lower Upper

83 100

85 64.4 50.3 75.5

127 8.1 6.6 9.8

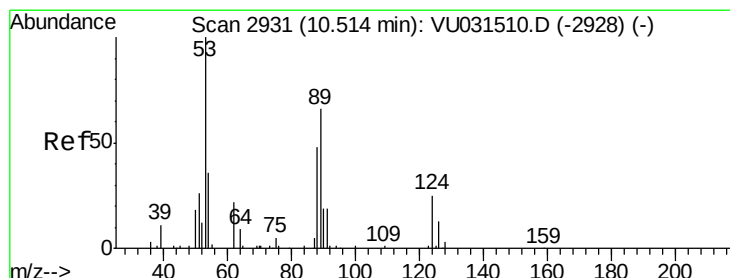
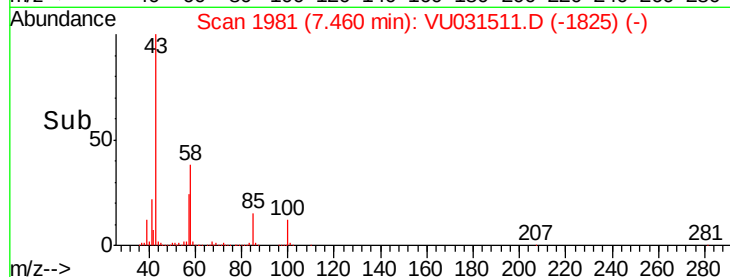
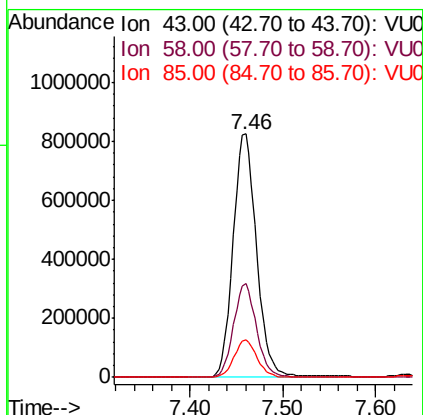
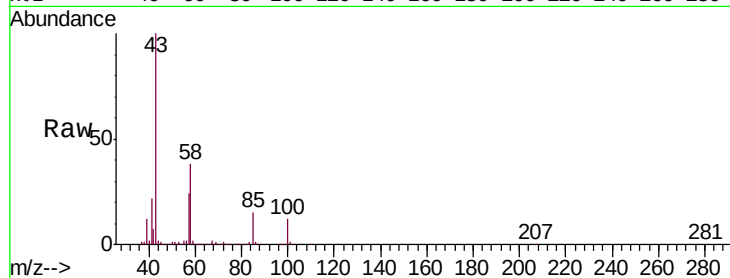




#45
 4-Methyl-2-Pentanone
 Concen: 86.560 ug/l
 RT: 7.46 min Scan# 1981
 Delta R.T. 0.00 min
 Lab File: VU031511.D
 Acq: 25 Apr 2019 20:43

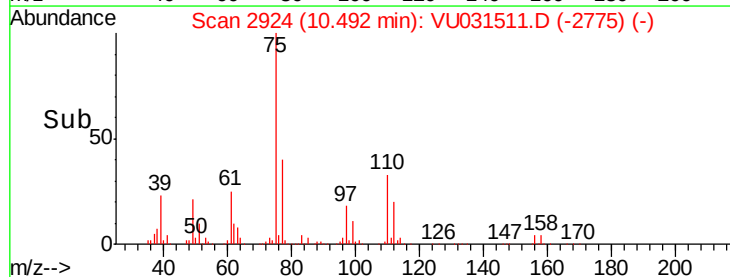
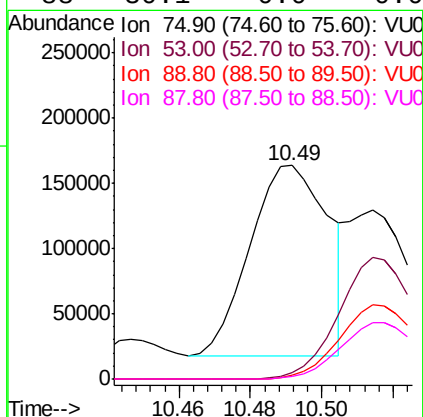
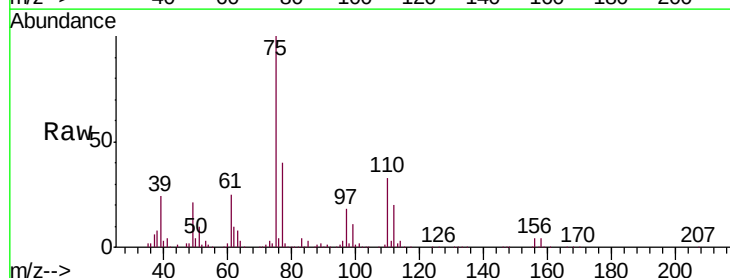
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

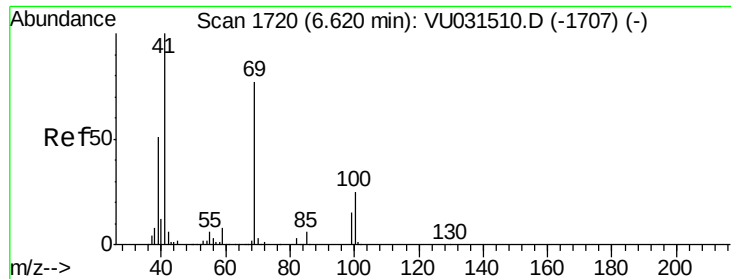
Tgt Ion: 43 Resp: 1453374
 Ion Ratio Lower Upper
 43 100
 58 37.7 18.7 56.1
 85 15.0 12.1 18.1



#46
 t-1,4-Dichloro-2-butene
 Concen: 35.407 ug/l
 RT: 10.49 min Scan# 2924
 Delta R.T. -0.02 min
 Lab File: VU031511.D
 Acq: 25 Apr 2019 20:43

Tgt Ion: 75 Resp: 220878
 Ion Ratio Lower Upper
 75 100
 53 64.0 63.8 95.8
 89 39.7 38.6 57.8
 88 30.1 0.0 0.0#





#47

Methyl methacrylate

Concen: 33.652 ug/l

RT: 6.62 min Scan# 1720

Delta R.T. 0.00 min

Lab File: VU031511.D

Acq: 25 Apr 2019 20:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion: 69 Resp: 399125

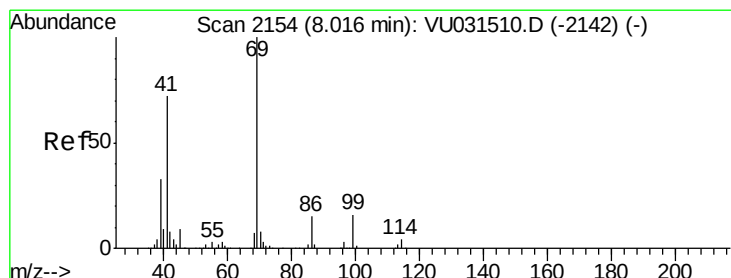
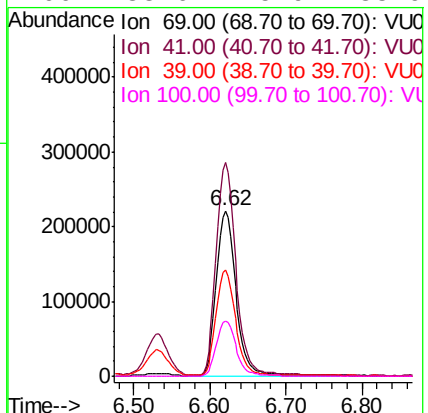
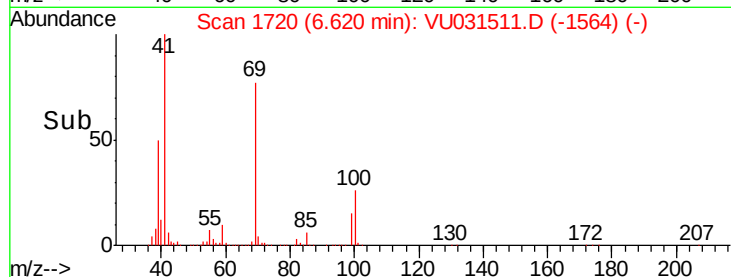
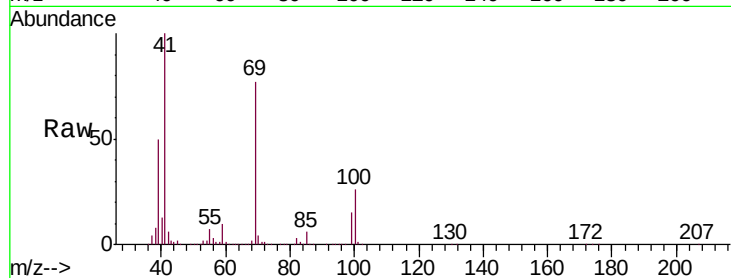
Ion Ratio Lower Upper

69 100

41 128.8 0.0 256.4

39 63.3 52.2 78.4

100 33.6 25.9 38.9



#48

Ethyl methacrylate

Concen: 17.330 ug/l

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VU031511.D

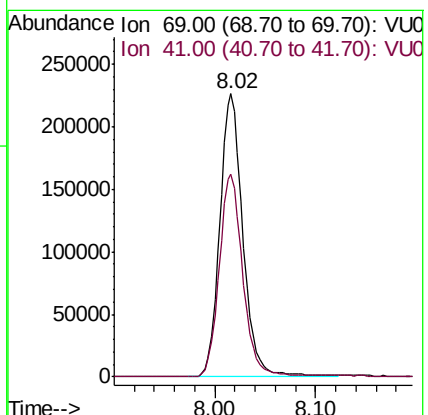
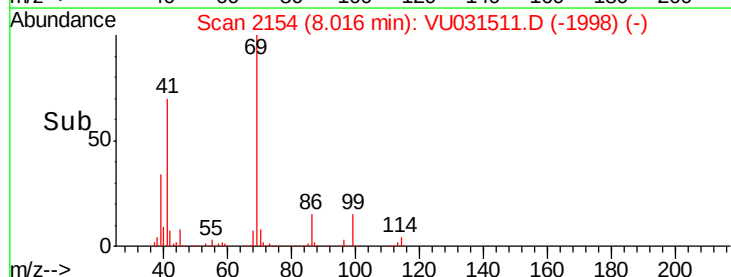
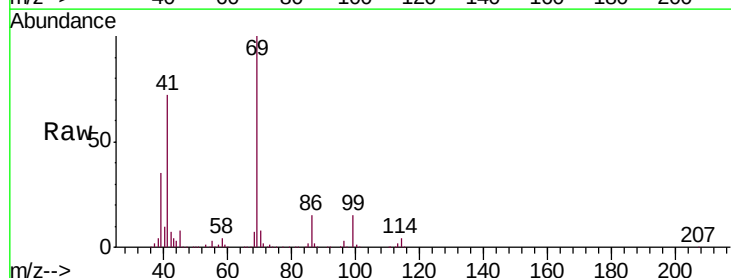
Acq: 25 Apr 2019 20:43

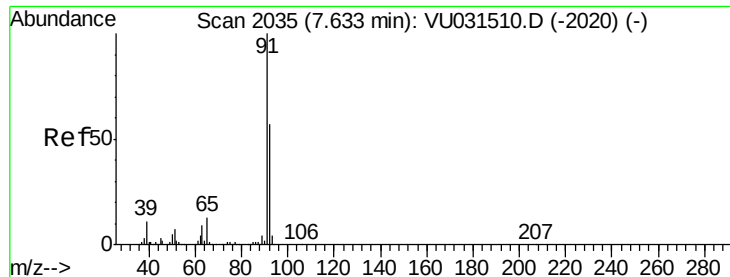
Tgt Ion: 69 Resp: 362202

Ion Ratio Lower Upper

69 100

41 72.2 35.5 106.5





#49

Toluene

Concen: 16.297 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU031511.D

Acq: 25 Apr 2019 20:43

Instrument :

MSVOA_U

ClientSampleId :

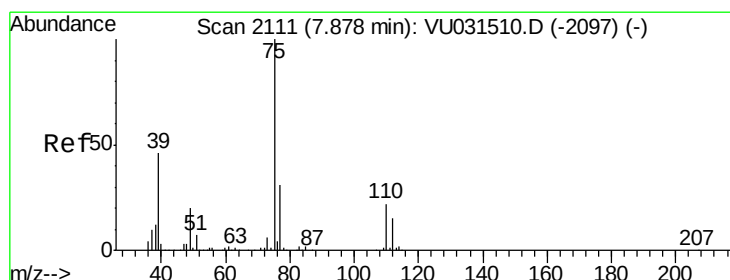
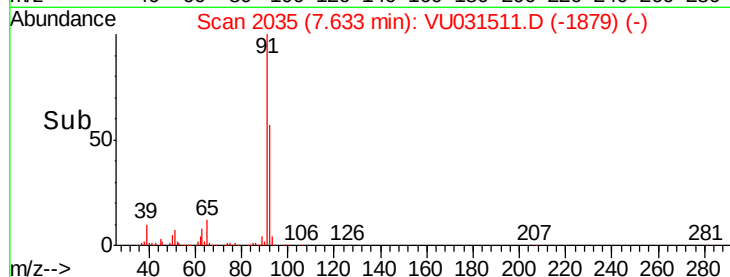
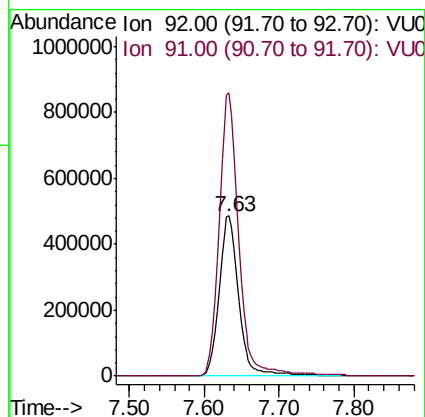
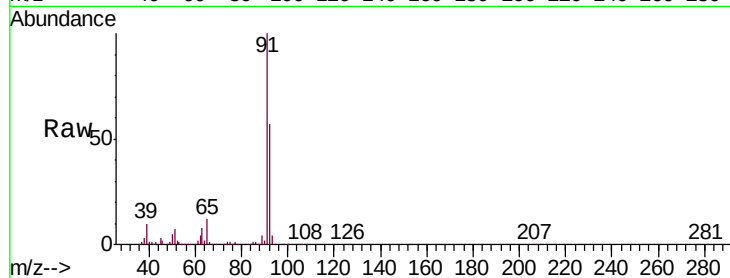
VSTDIC015

Tgt Ion: 92 Resp: 888943

Ion Ratio Lower Upper

92 100

91 176.4 142.0 213.0



#50

t-1,3-Dichloropropene

Concen: 15.941 ug/l

RT: 7.87 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VU031511.D

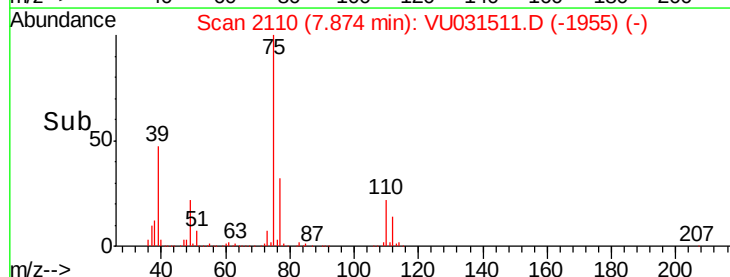
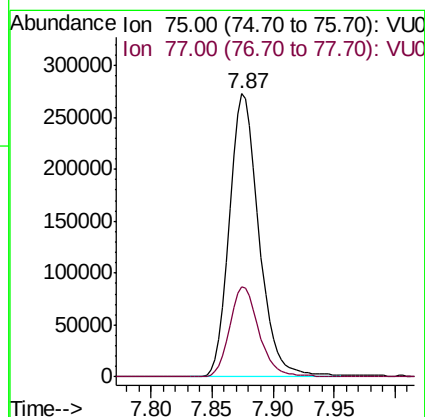
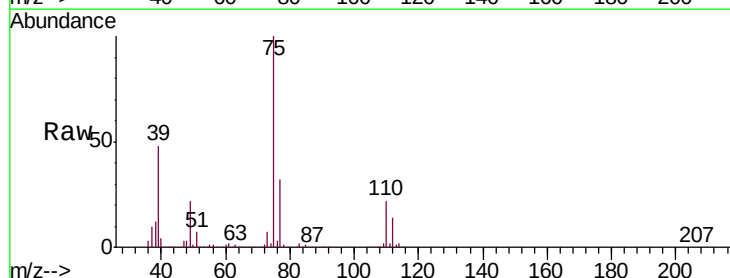
Acq: 25 Apr 2019 20:43

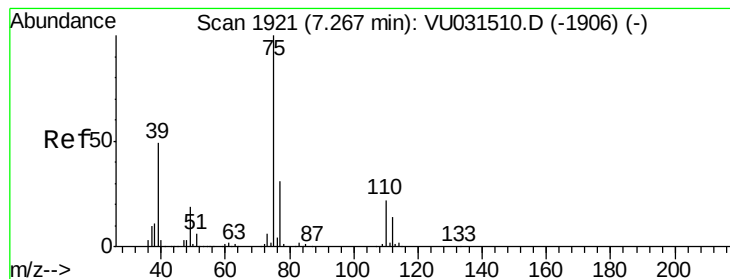
Tgt Ion: 75 Resp: 462889

Ion Ratio Lower Upper

75 100

77 31.9 25.0 37.4



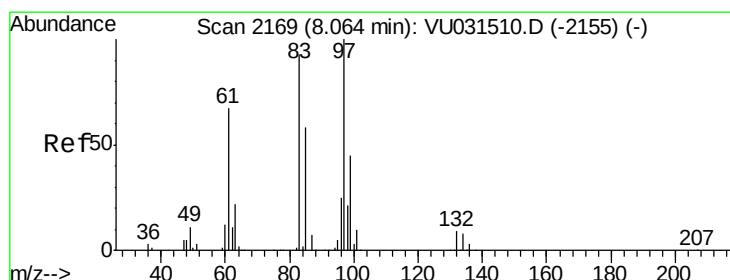
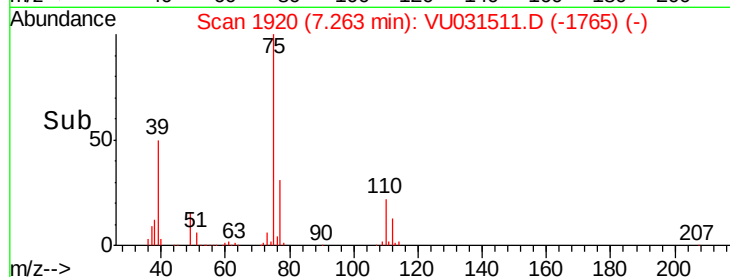
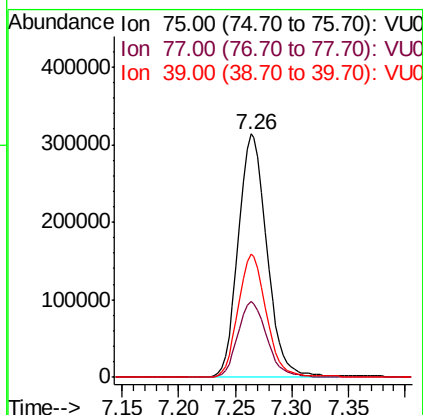
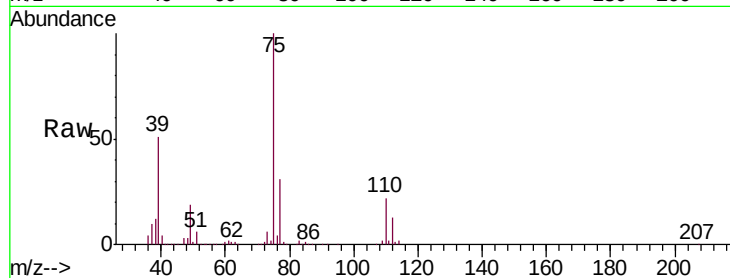


#51

cis-1,3-Dichloropropene
 Concen: 16.046 ug/l
 RT: 7.26 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VU031511.D
 Acq: 25 Apr 2019 20:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

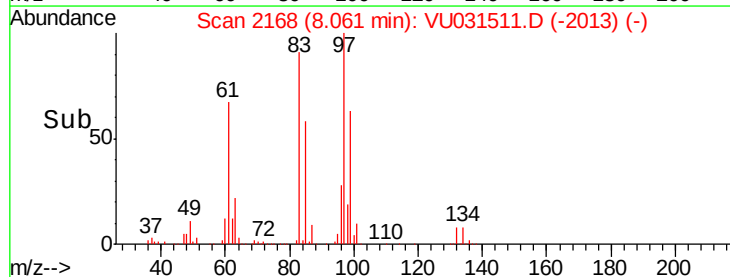
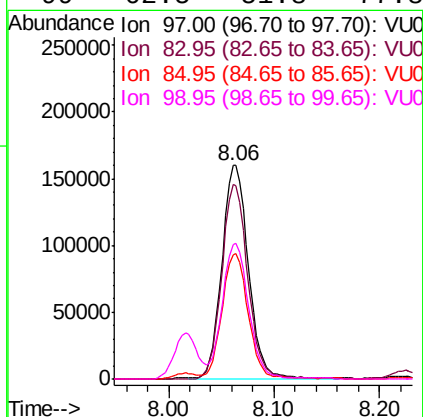
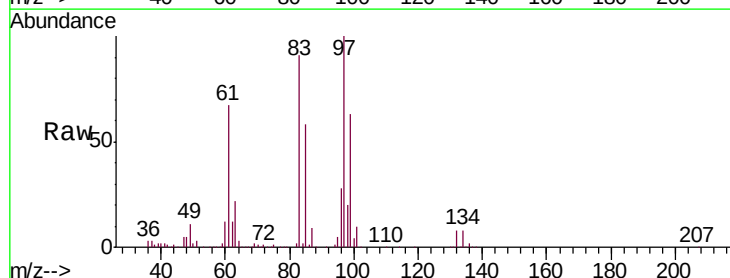
Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.0	37.4
39	50.5	39.0	58.6

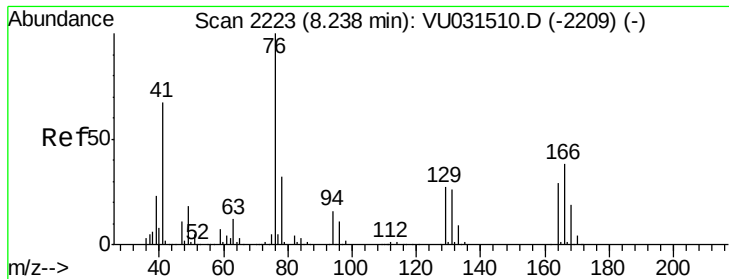


#52

1,1,2-Trichloroethane
 Concen: 14.466 ug/l
 RT: 8.06 min Scan# 2168
 Delta R.T. -0.00 min
 Lab File: VU031511.D
 Acq: 25 Apr 2019 20:43

Tgt Ion	Ratio	Lower	Upper
97	100		
83	91.3	74.8	112.2
85	58.1	48.3	72.5
99	62.5	51.8	77.8

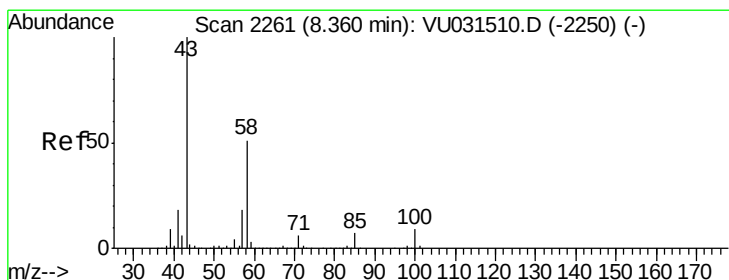
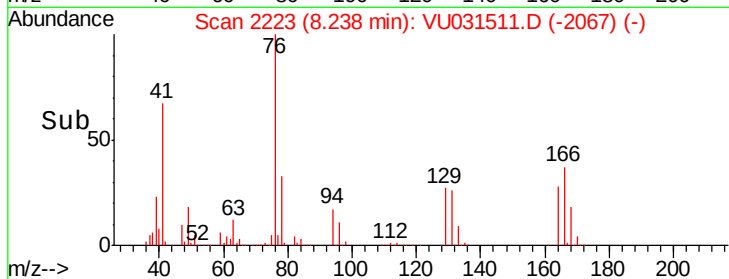
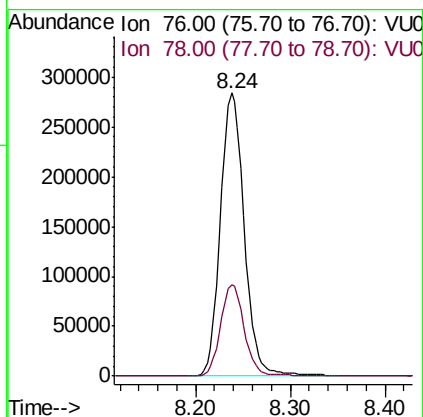
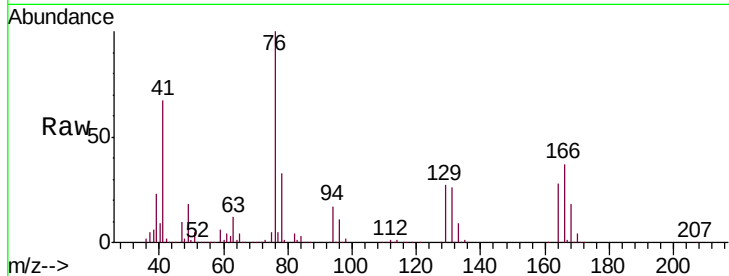




#53
 1,3-Dichloropropane
 Concen: 15.330 ug/l
 RT: 8.24 min Scan# 2223
 Delta R.T. 0.00 min
 Lab File: VU031511.D
 Acq: 25 Apr 2019 20:43

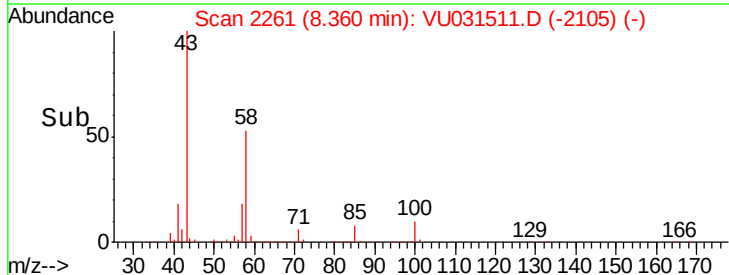
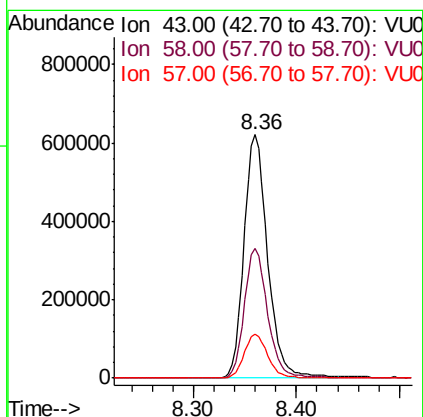
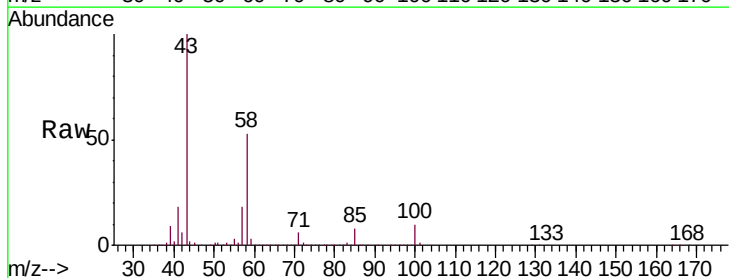
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

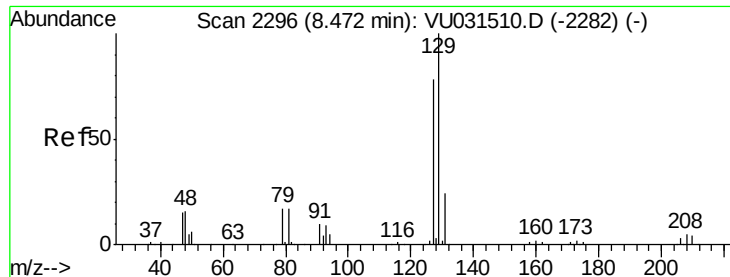
Tgt Ion: 76 Resp: 499162
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.7 38.5



#54
 2-Hexanone
 Concen: 87.091 ug/l
 RT: 8.36 min Scan# 2261
 Delta R.T. 0.00 min
 Lab File: VU031511.D
 Acq: 25 Apr 2019 20:43

Tgt Ion: 43 Resp: 989232
 Ion Ratio Lower Upper
 43 100
 58 52.7 30.3 70.3
 57 18.2 0.0 37.8

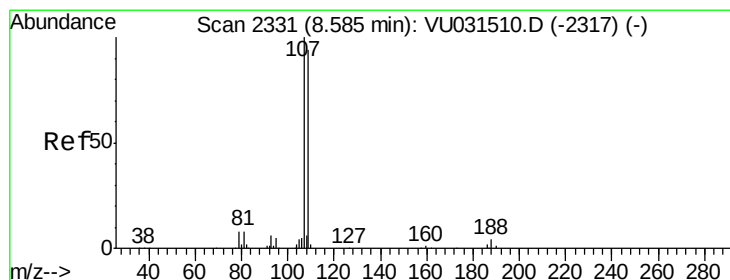
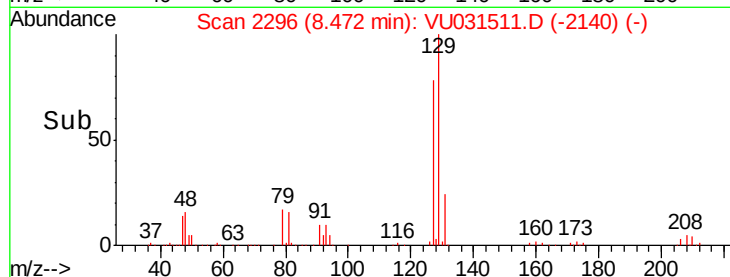
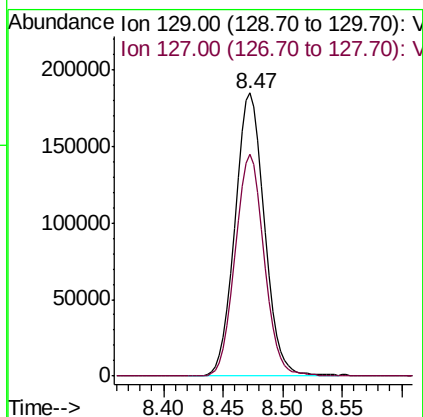
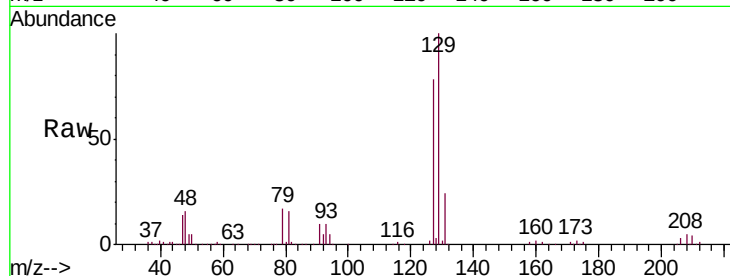




#55
 Dibromochloromethane
 Concen: 14.068 ug/l
 RT: 8.47 min Scan# 2296
 Delta R.T. 0.00 min
 Lab File: VU031511.D
 Acq: 25 Apr 2019 20:43

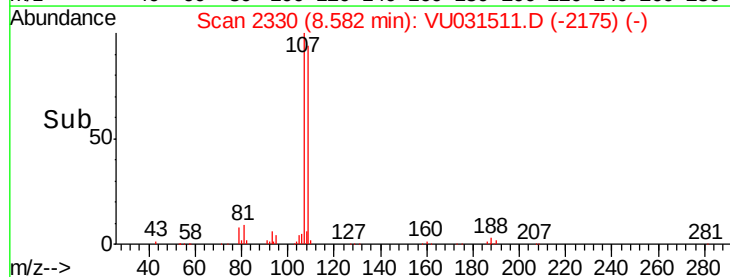
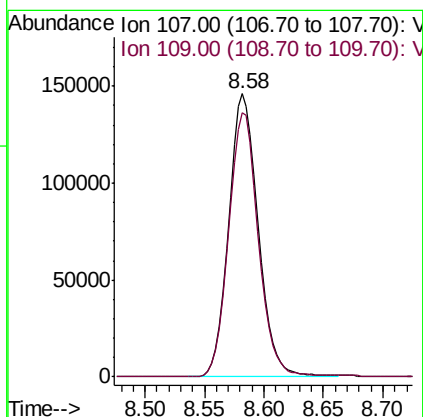
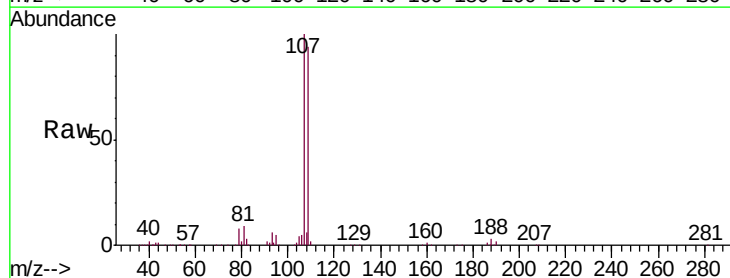
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

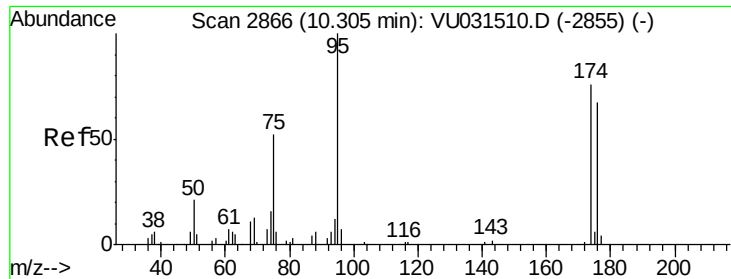
Tgt Ion:129 Resp: 316407
 Ion Ratio Lower Upper
 129 100
 127 77.2 62.6 94.0



#56
 1,2-Dibromoethane
 Concen: 14.166 ug/l
 RT: 8.58 min Scan# 2330
 Delta R.T. -0.00 min
 Lab File: VU031511.D
 Acq: 25 Apr 2019 20:43

Tgt Ion:107 Resp: 250343
 Ion Ratio Lower Upper
 107 100
 109 94.4 0.0 186.0

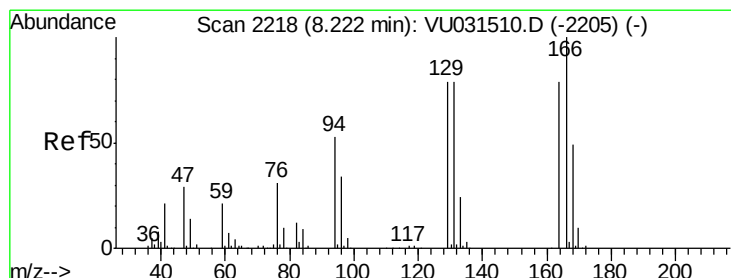
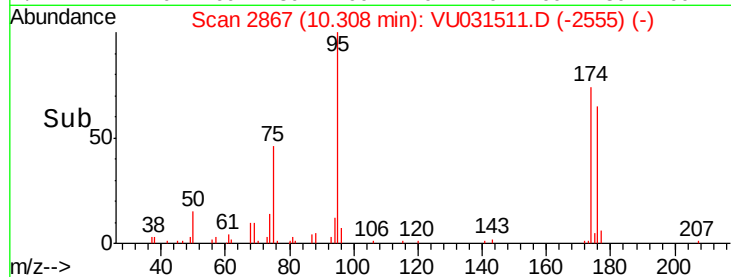
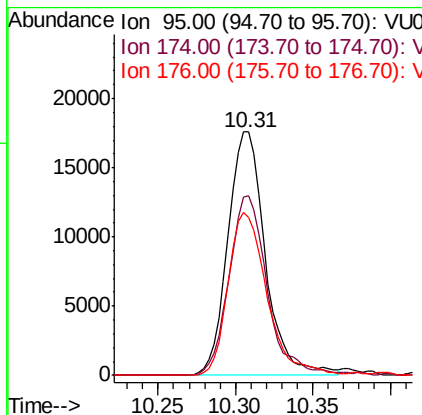
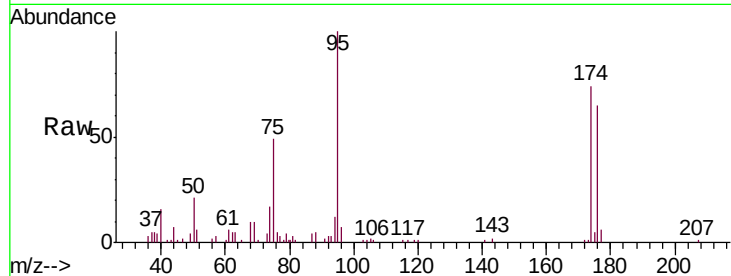




#57
4-Bromofluorobenzene
Concen: 14.166 ug/l
RT: 10.31 min Scan# 2867
Delta R.T. 0.00 min
Lab File: VU031511.D
Acq: 25 Apr 2019 20:43

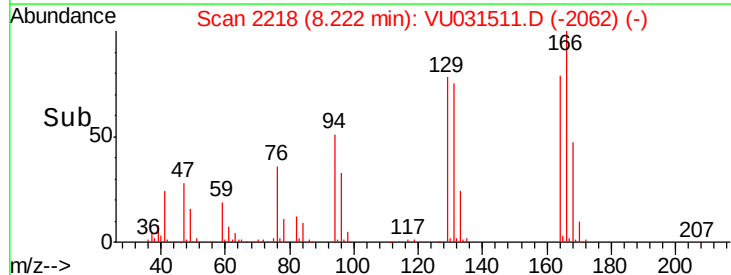
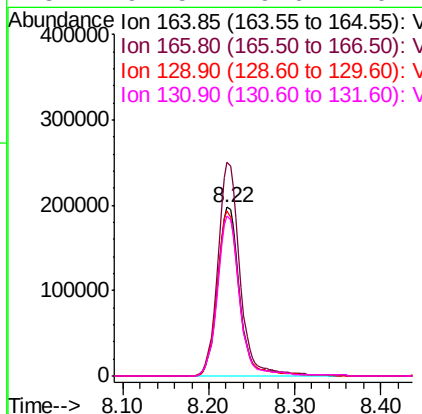
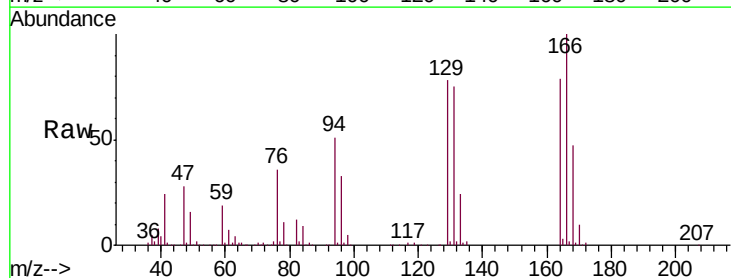
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

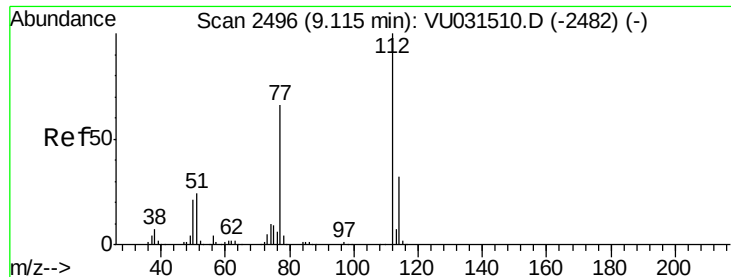
Tgt Ion: 95 Resp: 29547
Ion Ratio Lower Upper
95 100
174 74.7 57.9 86.9
176 69.5 54.0 81.0



#58
Tetrachloroethene
Concen: 15.114 ug/l
RT: 8.22 min Scan# 2218
Delta R.T. 0.00 min
Lab File: VU031511.D
Acq: 25 Apr 2019 20:43

Tgt Ion: 164 Resp: 356644
Ion Ratio Lower Upper
164 100
166 126.4 101.2 151.8
129 98.1 80.2 120.4
131 94.5 79.6 119.4

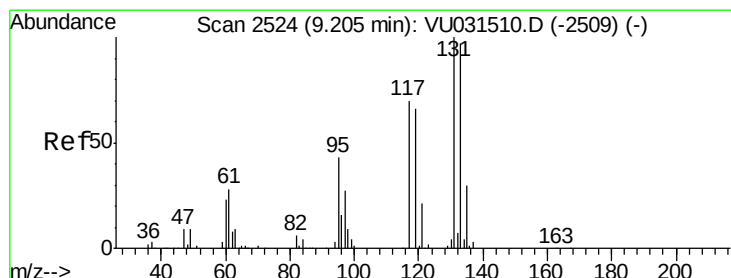
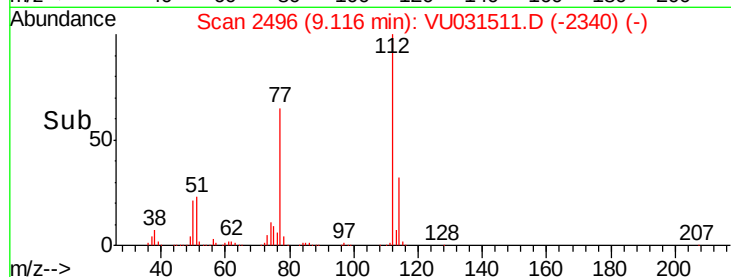
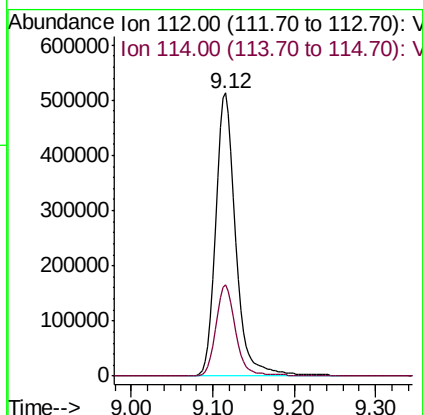
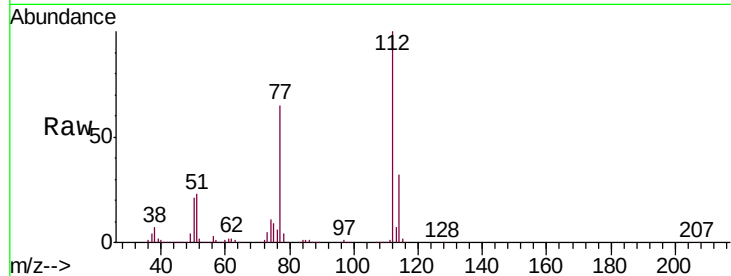




#59
Chlorobenzene
Concen: 14.961 ug/l
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU031511.D
Acq: 25 Apr 2019 20:43

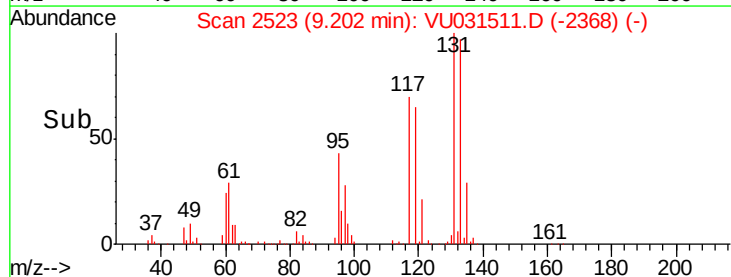
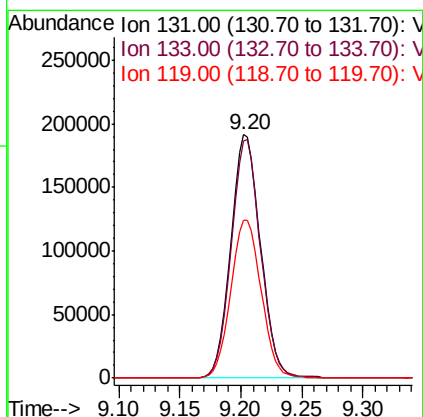
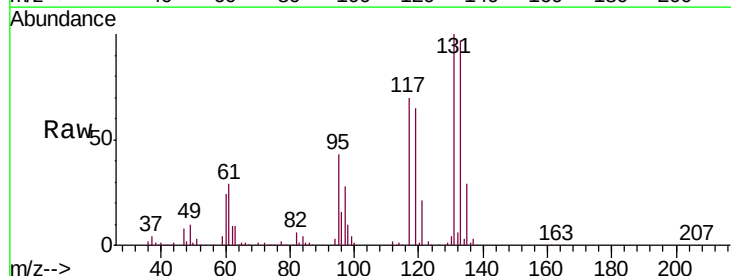
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

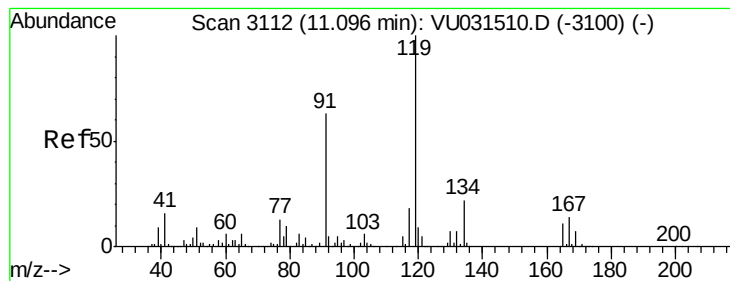
Tgt Ion:112 Resp: 897565
Ion Ratio Lower Upper
112 100
114 32.1 25.8 38.6



#60
1,1,1,2-Tetrachloroethane
Concen: 14.404 ug/l
RT: 9.20 min Scan# 2523
Delta R.T. -0.00 min
Lab File: VU031511.D
Acq: 25 Apr 2019 20:43

Tgt Ion:131 Resp: 324987
Ion Ratio Lower Upper
131 100
133 96.9 77.7 116.5
119 66.5 53.4 80.0





#61

Pentachloroethane

Concen: 12.984 ug/l

RT: 11.10 min Scan# 3112

Delta R.T. 0.00 min

Lab File: VU031511.D

Acq: 25 Apr 2019 20:43

Instrument :

MSVOA_U

ClientSampleId :

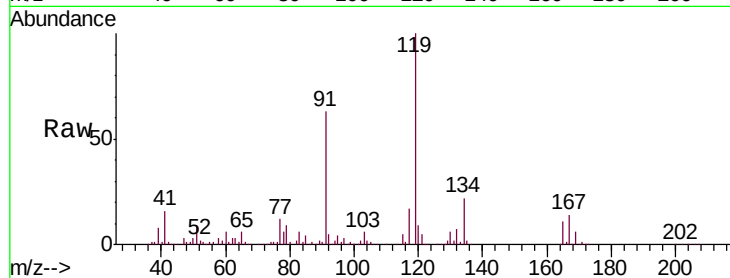
VSTDIC015

Tgt Ion:117 Resp: 223858

Ion Ratio Lower Upper

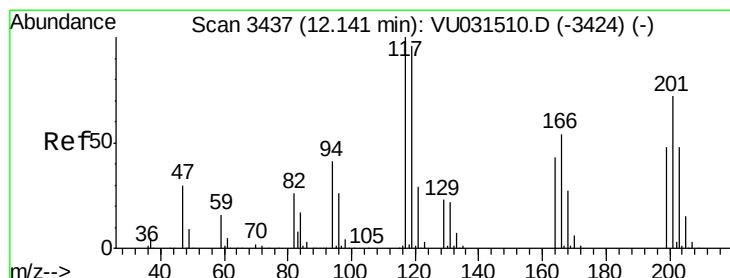
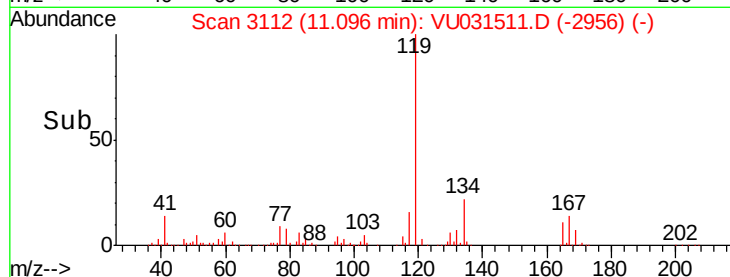
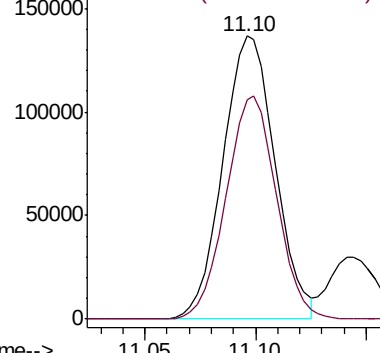
117 100

167 76.5 62.5 93.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 14.074 ug/l

RT: 12.14 min Scan# 3437

Delta R.T. 0.00 min

Lab File: VU031511.D

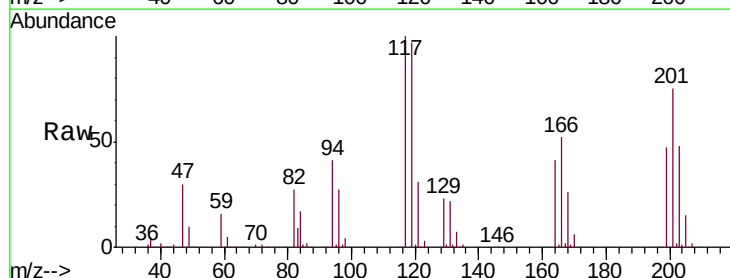
Acq: 25 Apr 2019 20:43

Tgt Ion:117 Resp: 237115

Ion Ratio Lower Upper

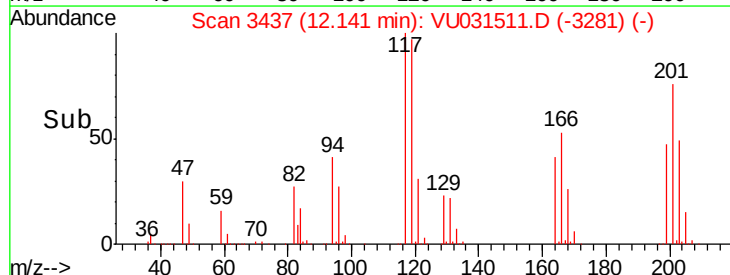
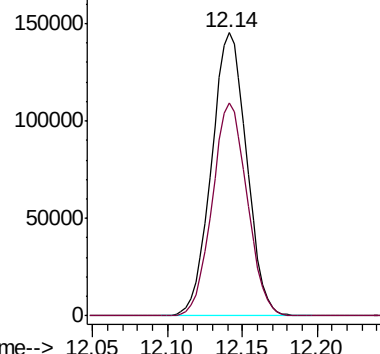
117 100

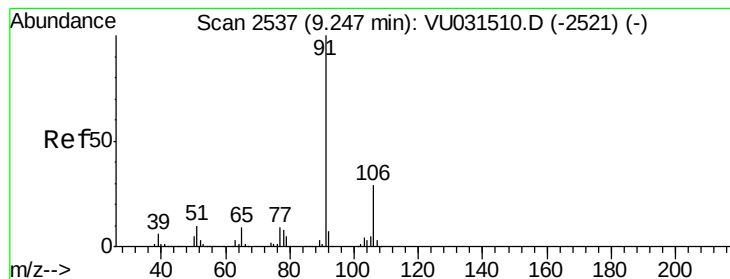
201 74.8 60.0 90.0



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V





#63

Ethyl Benzene

Concen: 16.996 ug/l

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU031511.D

Acq: 25 Apr 2019 20:43

Instrument :

MSVOA_U

ClientSampleId :

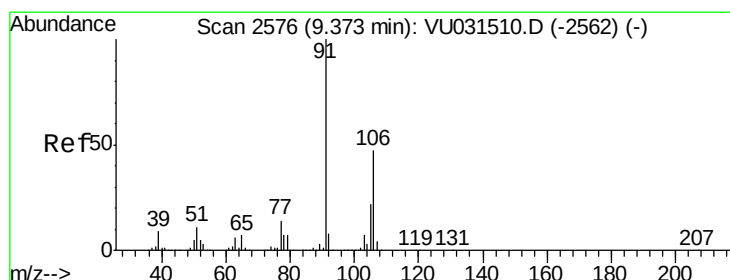
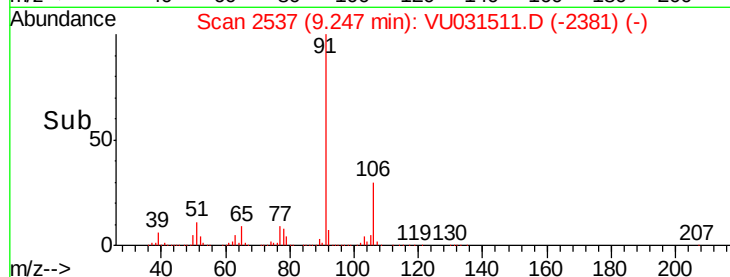
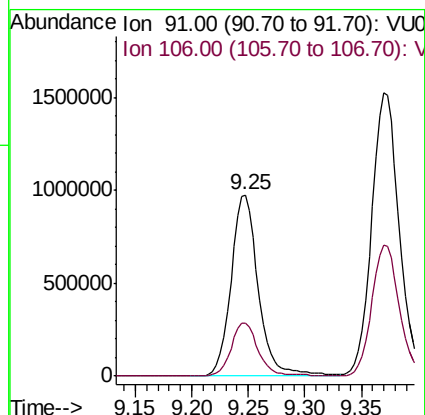
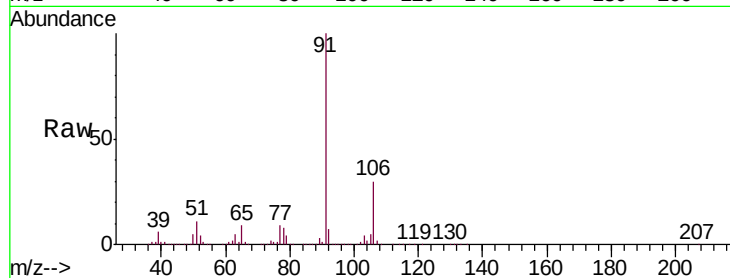
VSTDIC015

Tgt Ion: 91 Resp: 1638098

Ion Ratio Lower Upper

91 100

106 29.5 23.4 35.2



#64

m/p-Xylenes

Concen: 33.385 ug/l

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU031511.D

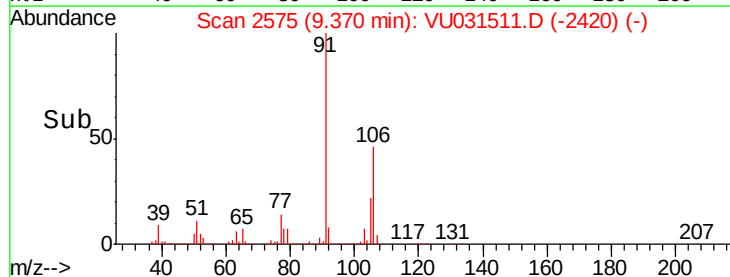
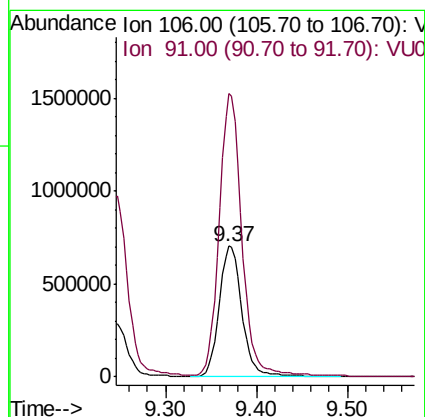
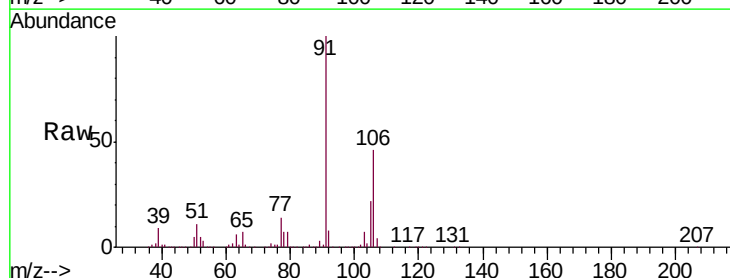
Acq: 25 Apr 2019 20:43

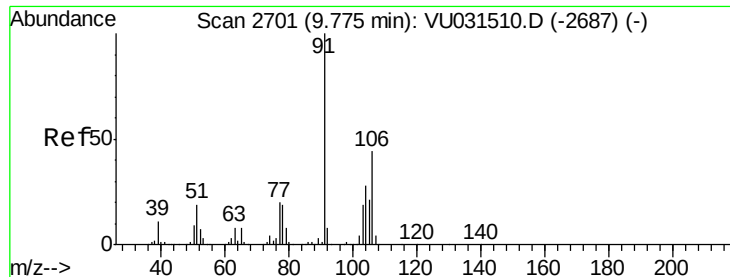
Tgt Ion: 106 Resp: 1220057

Ion Ratio Lower Upper

106 100

91 219.7 171.0 256.4

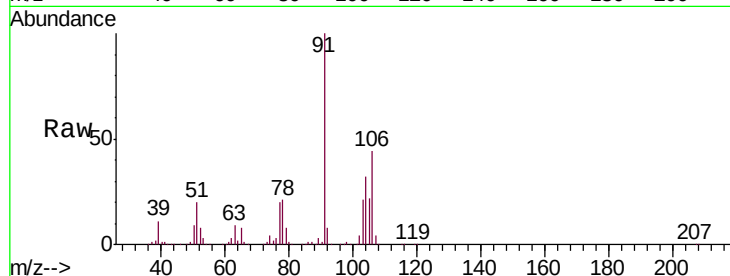




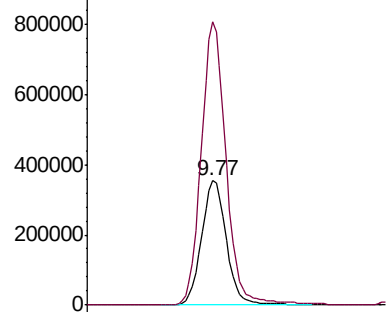
#65
o-Xylene
Concen: 16.530 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU031511.D
Acq: 25 Apr 2019 20:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

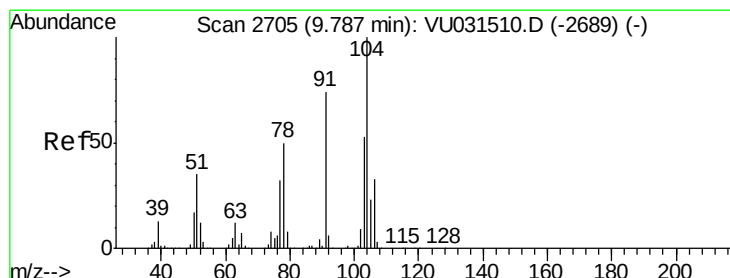
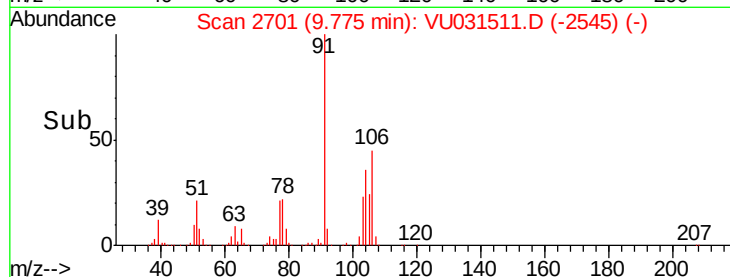
Tgt Ion:106 Resp: 579766
Ion Ratio Lower Upper
106 100
91 225.9 113.8 341.4



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

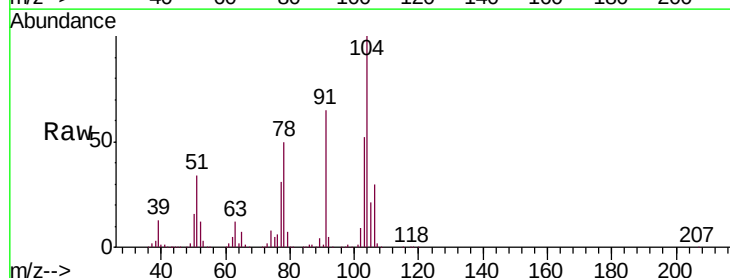


Time-->

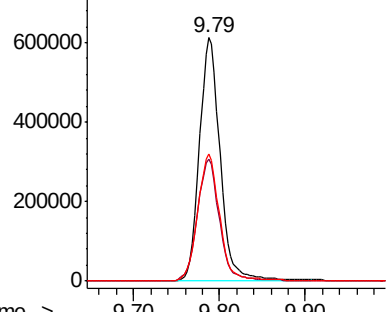


#66
Styrene
Concen: 17.394 ug/l
RT: 9.79 min Scan# 2705
Delta R.T. 0.00 min
Lab File: VU031511.D
Acq: 25 Apr 2019 20:43

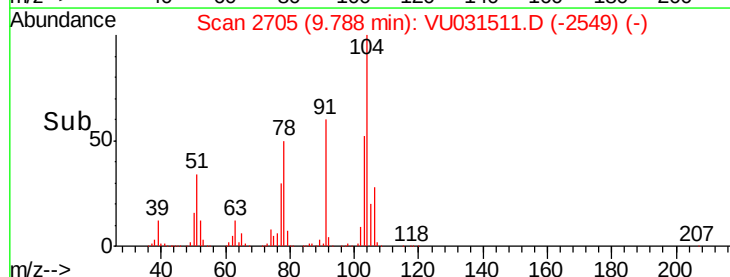
Tgt Ion:104 Resp: 1034300
Ion Ratio Lower Upper
104 100
78 52.8 42.5 63.7
103 55.0 44.5 66.7

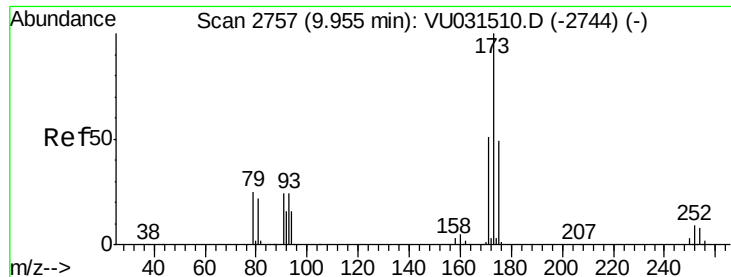


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V



Time-->

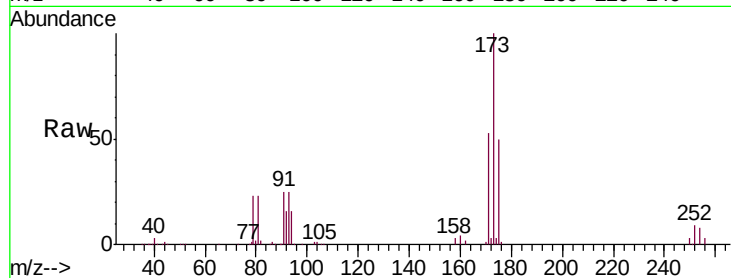




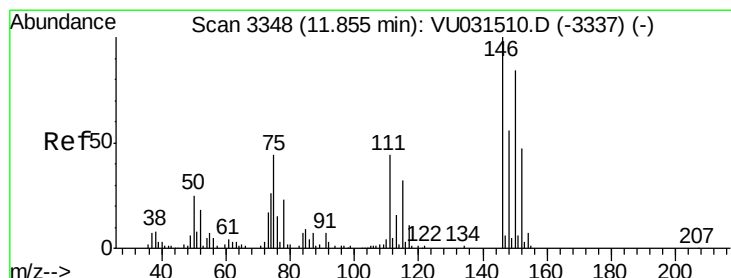
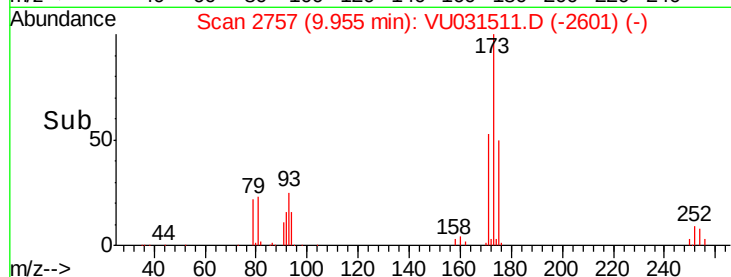
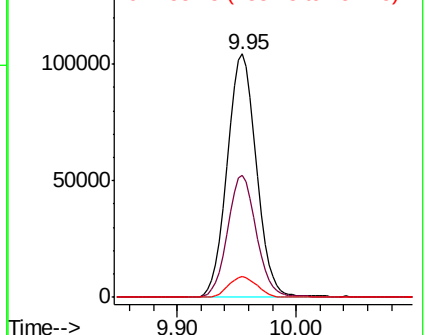
#67
Bromoform
Concen: 13.840 ug/l
RT: 9.95 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VU031511.D
Acq: 25 Apr 2019 20:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tgt Ion:173 Resp: 177732
Ion Ratio Lower Upper
173 100
175 49.7 38.7 58.1
254 8.2 6.0 9.0

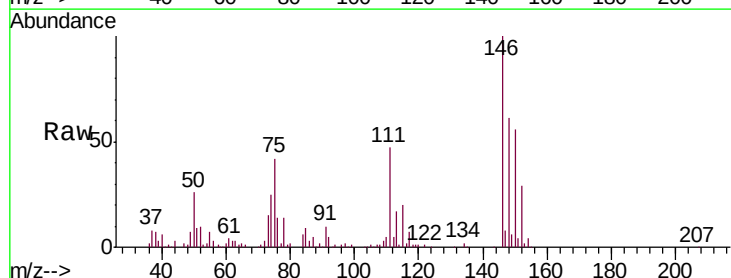


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

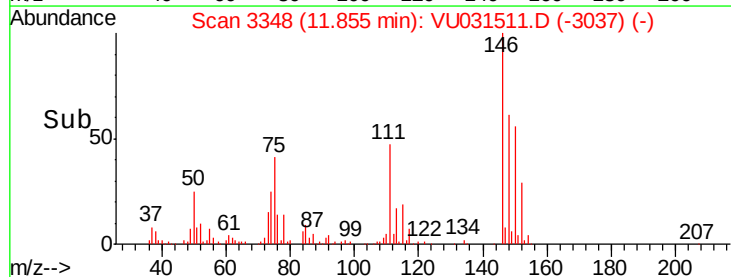
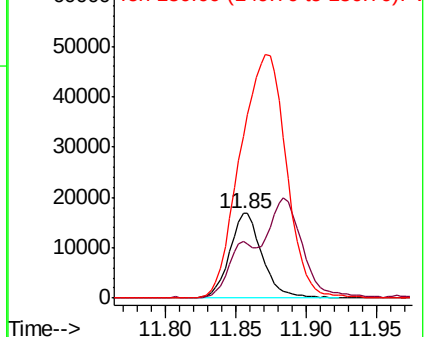


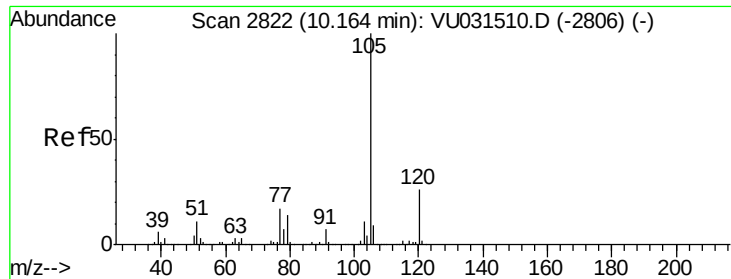
#68
1,2-Dichlorobenzene-d4
Concen: 13.840 ug/l
RT: 11.85 min Scan# 3348
Delta R.T. 0.00 min
Lab File: VU031511.D
Acq: 25 Apr 2019 20:43

Tgt Ion:152 Resp: 27362
Ion Ratio Lower Upper
152 100
115 55.1 0.0 123.2
150 0.0 0.0 658.2



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: 16.488 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU031511.D

Acq: 25 Apr 2019 20:43

Instrument :

MSVOA_U

ClientSampled :

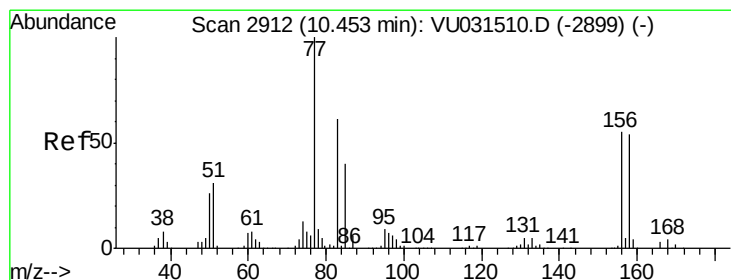
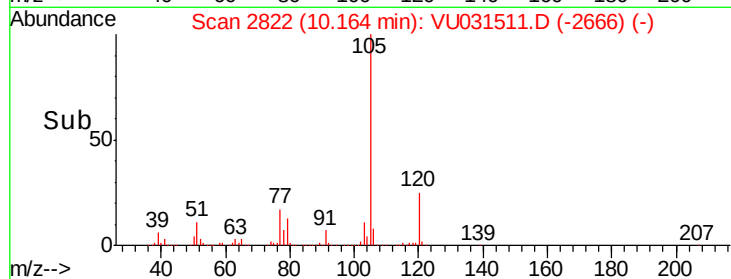
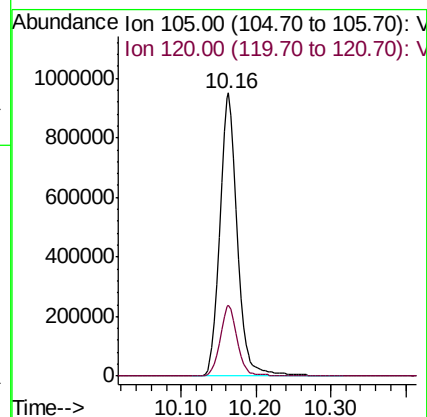
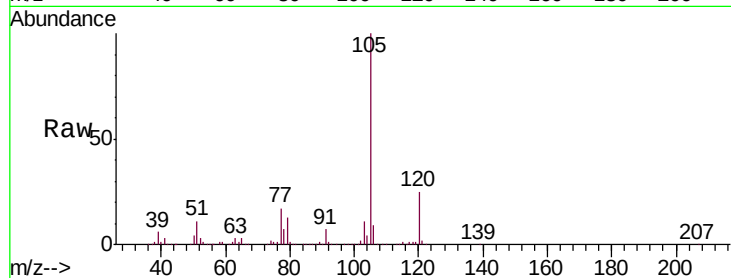
VSTDIC015

Tgt Ion:105 Resp: 1545850

Ion Ratio Lower Upper

105 100

120 24.9 12.4 37.4



#70

1,1,2,2-Tetrachloroethane

Concen: 14.373 ug/l

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU031511.D

Acq: 25 Apr 2019 20:43

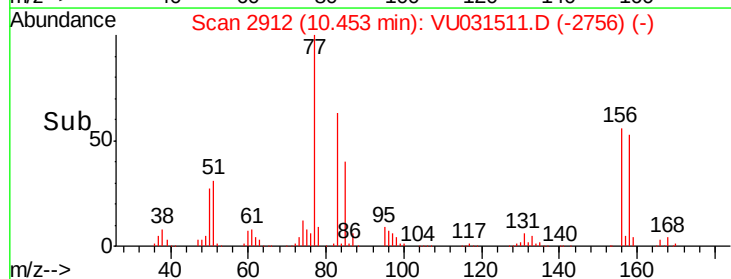
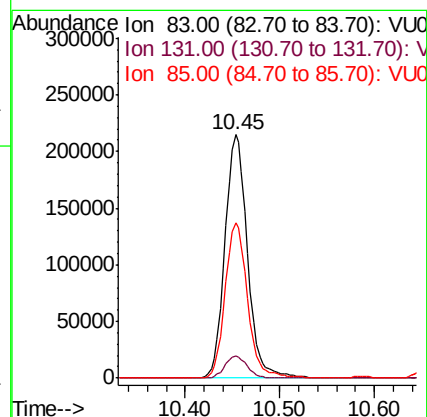
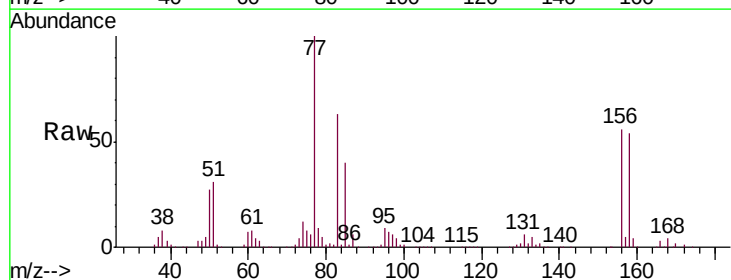
Tgt Ion: 83 Resp: 355355

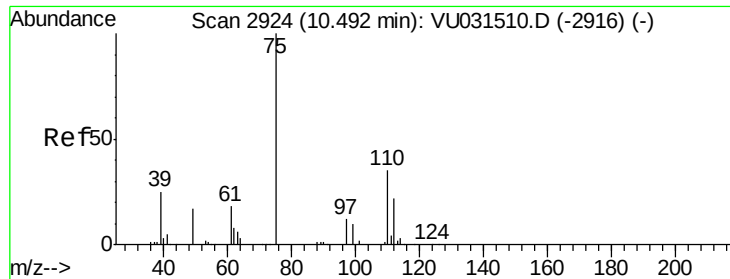
Ion Ratio Lower Upper

83 100

131 8.9 7.2 10.8

85 63.9 52.8 79.2

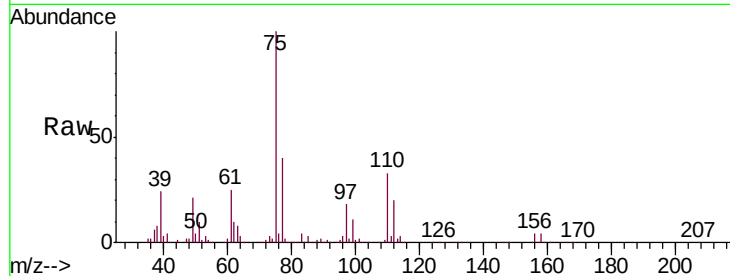




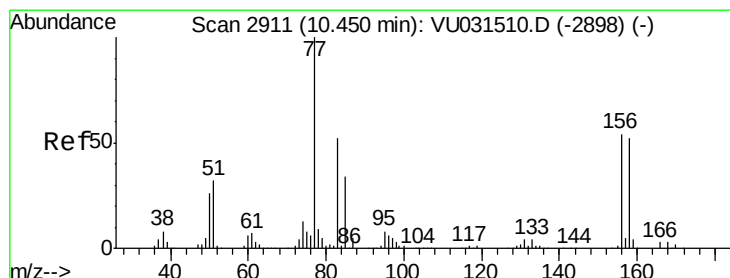
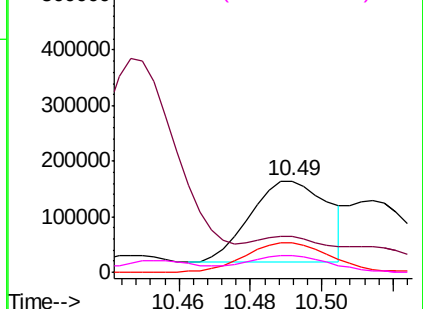
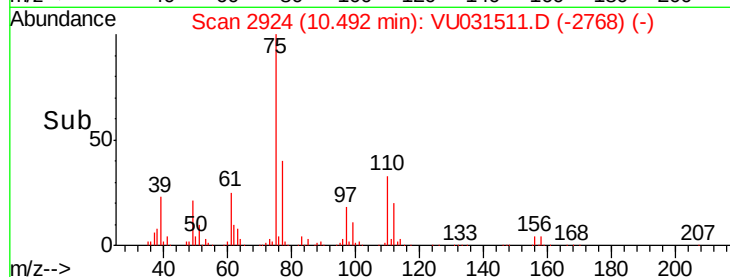
#71
 1,2,3-Trichloropropane
 Concen: 12.409 ug/l
 RT: 10.49 min Scan# 2924
 Delta R.T. 0.00 min
 Lab File: VU031511.D
 Acq: 25 Apr 2019 20:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tgt Ion:	75	Resp:	220878
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0
110	40.4	0.0	68.2
97	22.3	0.0	36.6

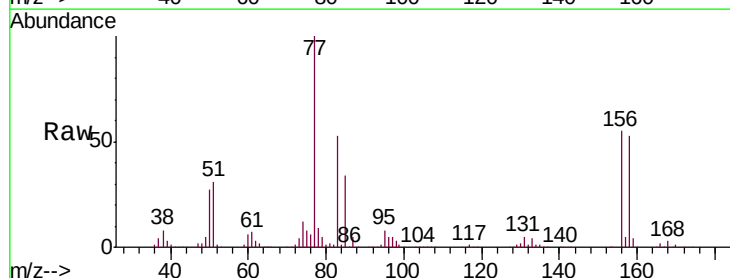


Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0
 Ion 110.00 (109.70 to 110.70): V
 Ion 97.00 (96.70 to 97.70): VU0

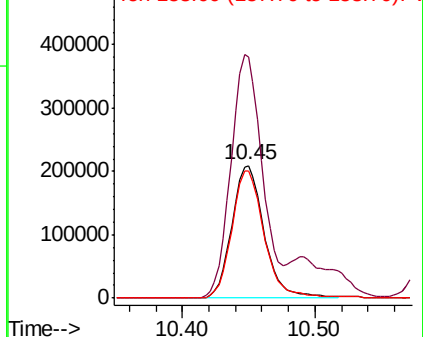
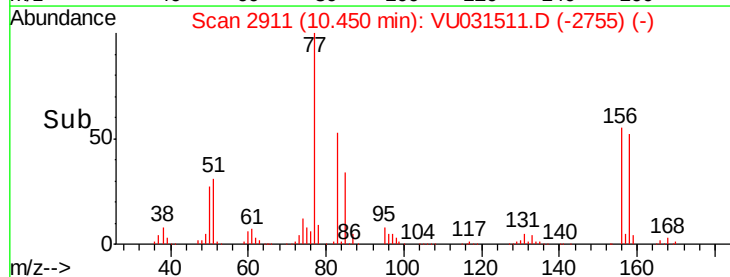


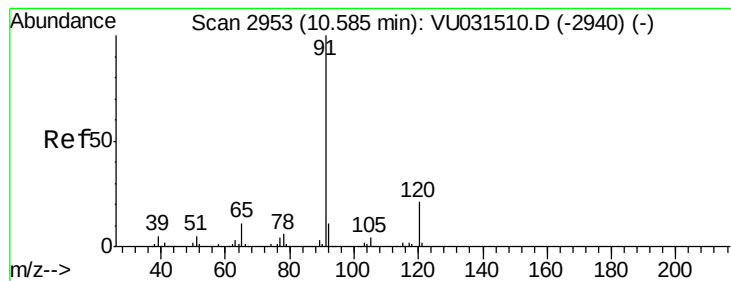
#72
 Bromobenzene
 Concen: 14.408 ug/l
 RT: 10.45 min Scan# 2911
 Delta R.T. 0.00 min
 Lab File: VU031511.D
 Acq: 25 Apr 2019 20:43

Tgt Ion:	156	Resp:	354401
Ion	Ratio	Lower	Upper
156	100		
77	178.3	0.0	353.4
158	97.1	0.0	190.6



Abundance Ion 156.00 (155.70 to 156.70): V
 Ion 77.00 (76.70 to 77.70): VU0
 Ion 158.00 (157.70 to 158.70): V





#73

n-propylbenzene

Concen: 16.639 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VU031511.D

Acq: 25 Apr 2019 20:43

Instrument :

MSVOA_U

ClientSampleId :

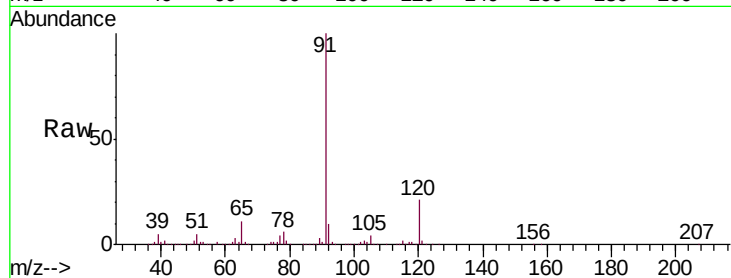
VSTDIC015

Tgt Ion:120 Resp: 415552

Ion Ratio Lower Upper

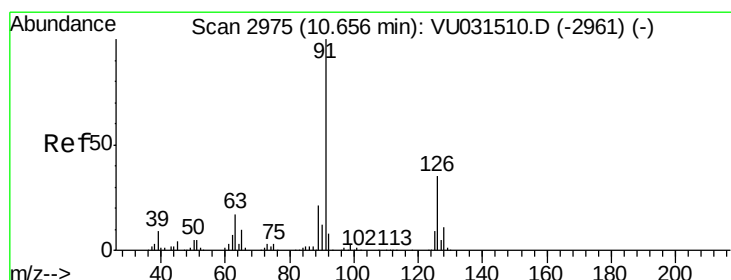
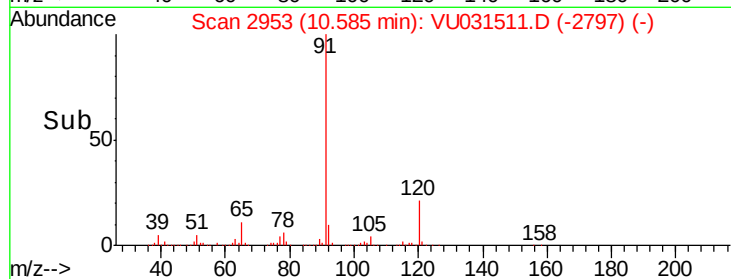
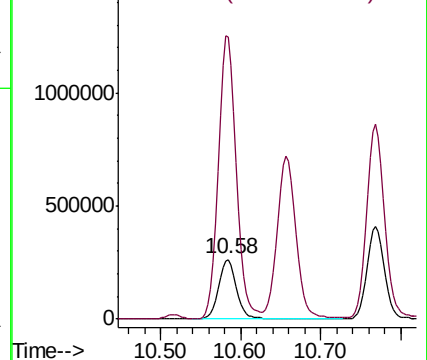
120 100

91 469.6 373.9 560.9



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 15.796 ug/l

RT: 10.66 min Scan# 2975

Delta R.T. 0.00 min

Lab File: VU031511.D

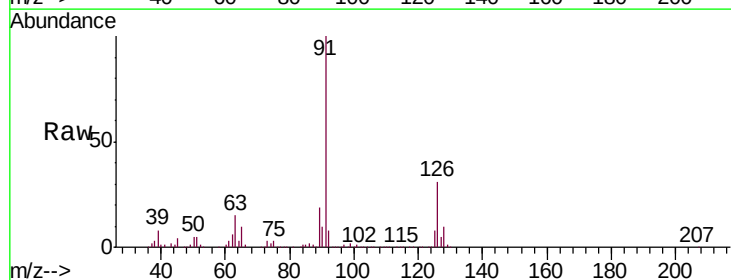
Acq: 25 Apr 2019 20:43

Tgt Ion:126 Resp: 363394

Ion Ratio Lower Upper

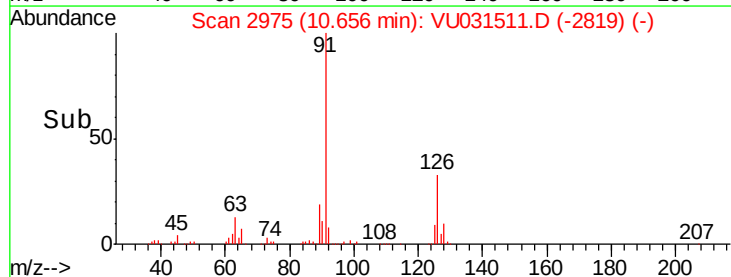
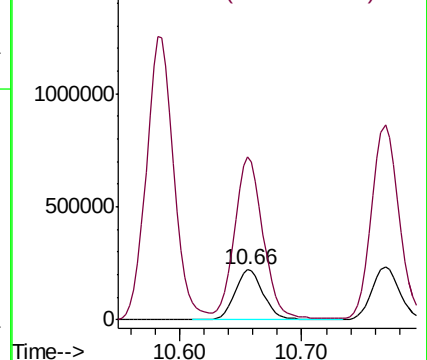
126 100

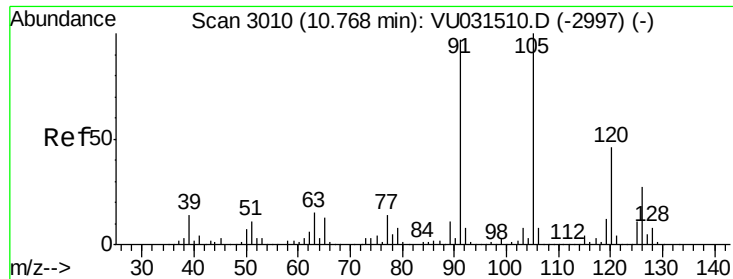
91 329.1 0.0 659.6



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: 16.903 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU031511.D

Acq: 25 Apr 2019 20:43

Instrument :

MSVOA_U

ClientSampleId :

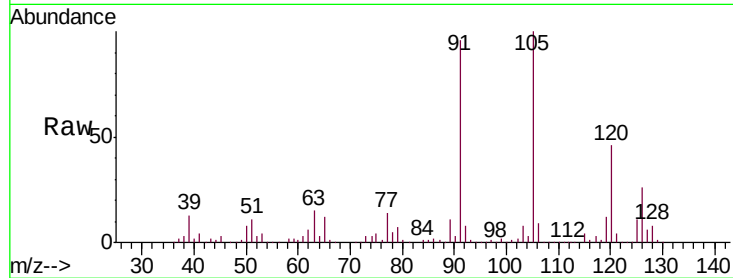
VSTDIC015

Tgt Ion:105 Resp: 1348381

Ion Ratio Lower Upper

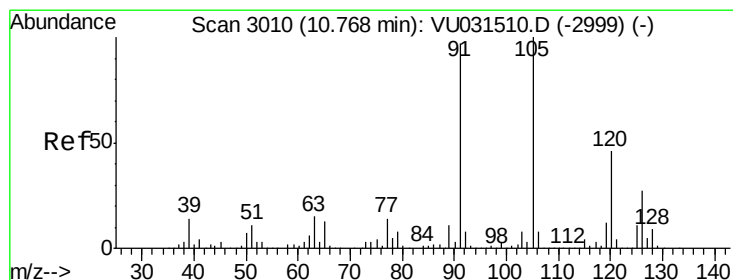
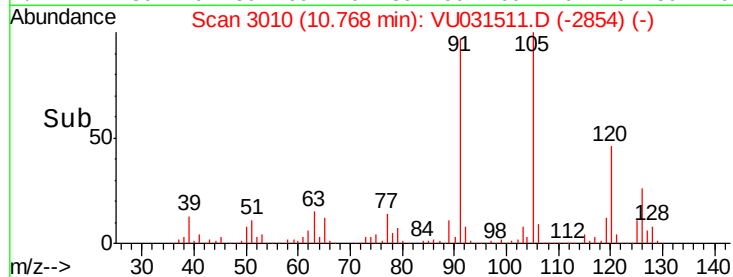
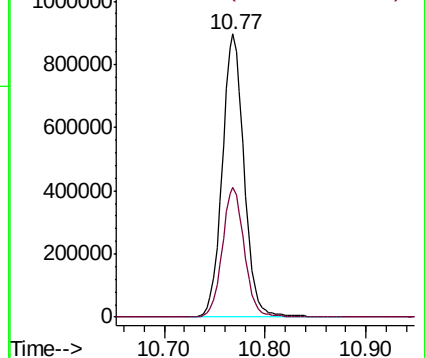
105 100

120 46.5 36.8 55.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 16.121 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU031511.D

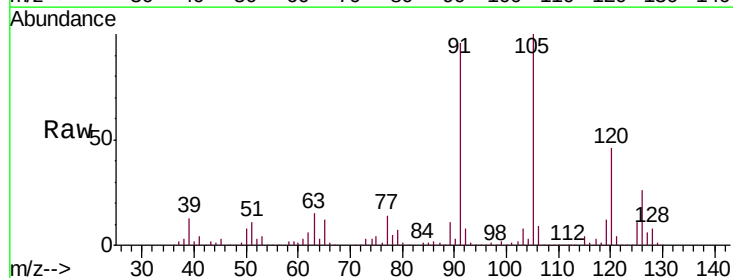
Acq: 25 Apr 2019 20:43

Tgt Ion:126 Resp: 374922

Ion Ratio Lower Upper

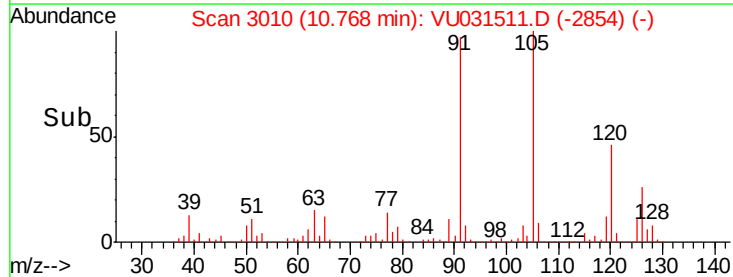
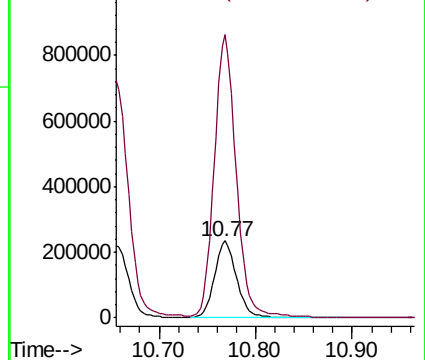
126 100

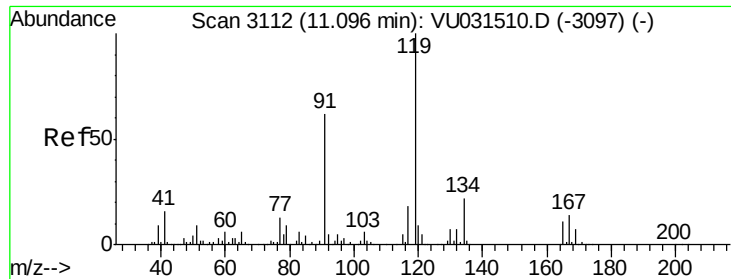
91 364.1 0.0 732.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

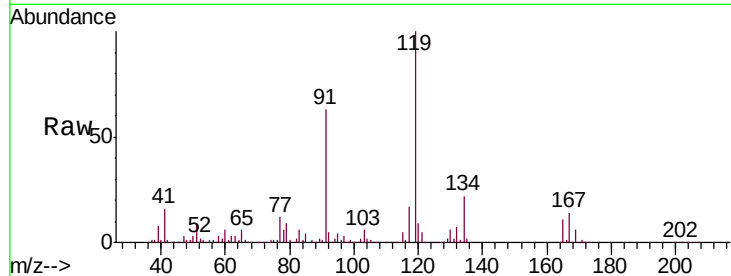




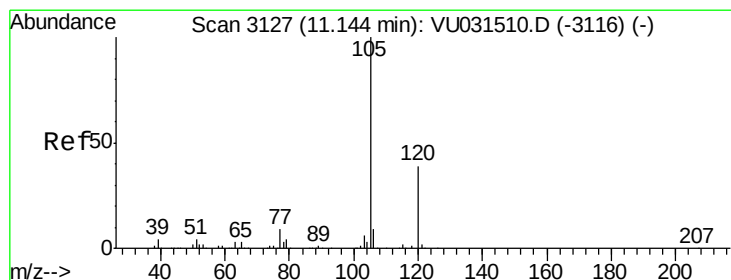
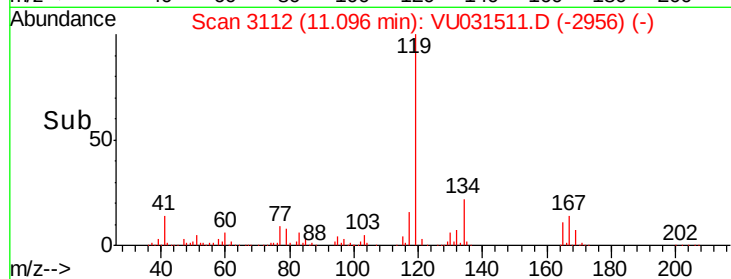
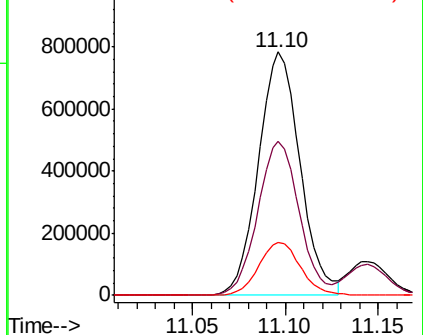
#77
 tert-Butylbenzene
 Concen: 15.917 ug/l
 RT: 11.10 min Scan# 3112
 Delta R.T. 0.00 min
 Lab File: VU031511.D
 Acq: 25 Apr 2019 20:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tgt Ion:119 Resp: 1226256
 Ion Ratio Lower Upper
 119 100
 91 62.9 31.4 94.2
 134 22.0 17.4 26.2

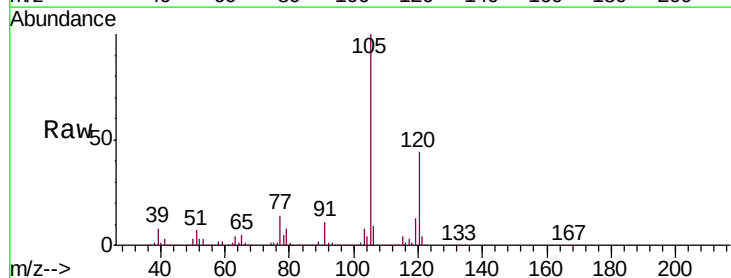


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

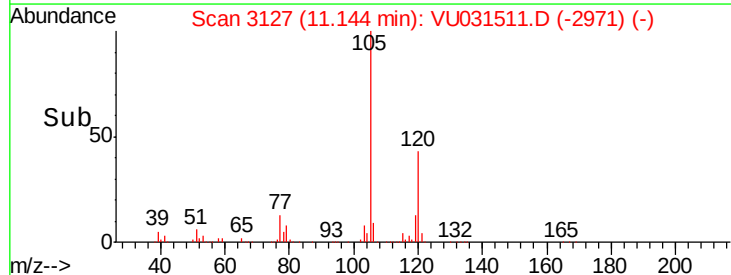
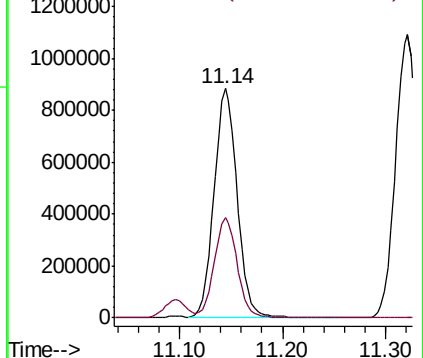


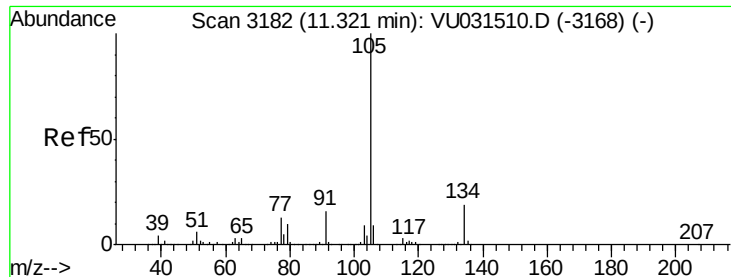
#78
 1,2,4-Trimethylbenzene
 Concen: 17.074 ug/l
 RT: 11.14 min Scan# 3127
 Delta R.T. 0.00 min
 Lab File: VU031511.D
 Acq: 25 Apr 2019 20:43

Tgt Ion:105 Resp: 1369433
 Ion Ratio Lower Upper
 105 100
 120 43.7 21.6 65.0



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





#79

sec-Butylbenzene

Concen: 16.213 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VU031511.D

Acq: 25 Apr 2019 20:43

Instrument :

MSVOA_U

ClientSampleId :

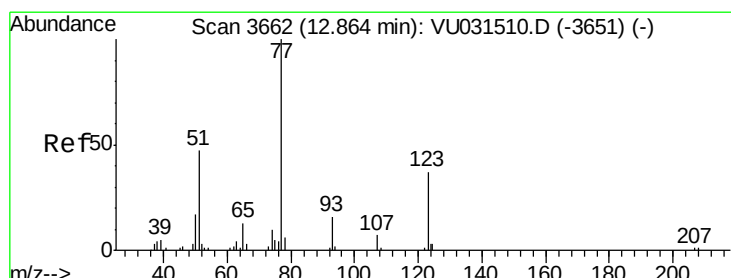
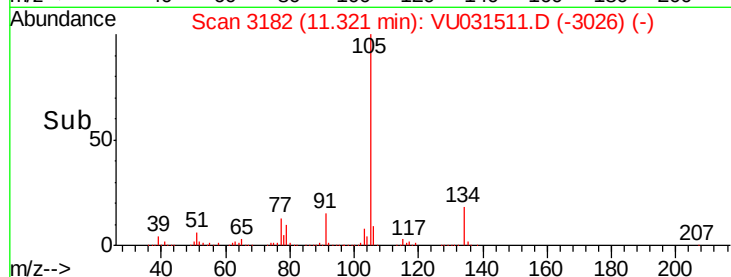
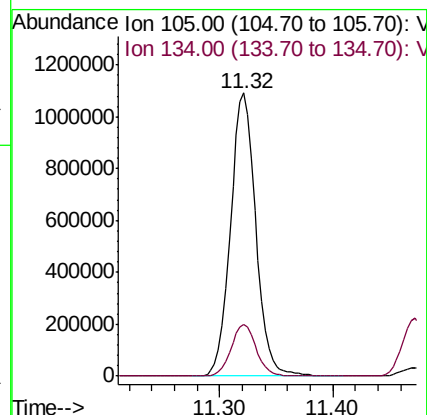
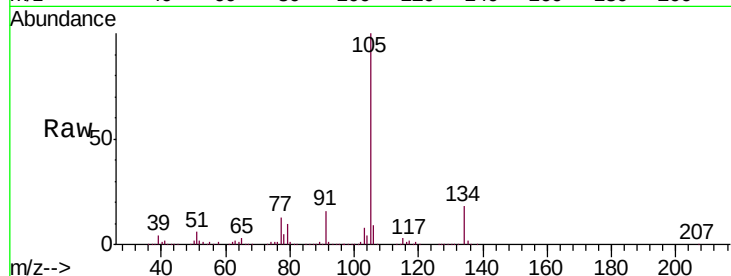
VSTDIC015

Tgt Ion:105 Resp: 1693677

Ion Ratio Lower Upper

105 100

134 18.4 15.0 22.6



#80

Nitrobenzene

Concen: 74.810 ug/l

RT: 12.86 min Scan# 3661

Delta R.T. -0.00 min

Lab File: VU031511.D

Acq: 25 Apr 2019 20:43

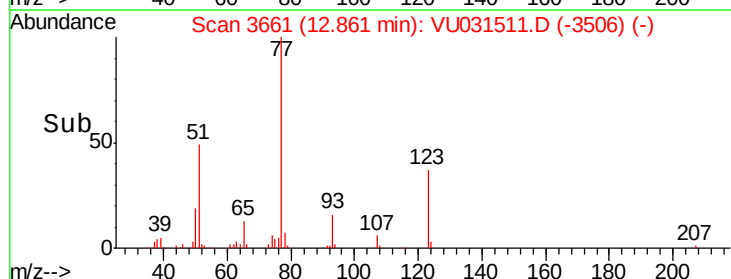
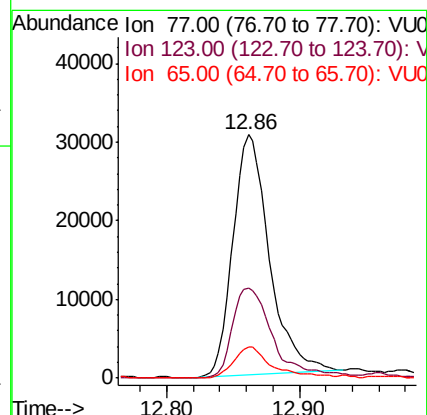
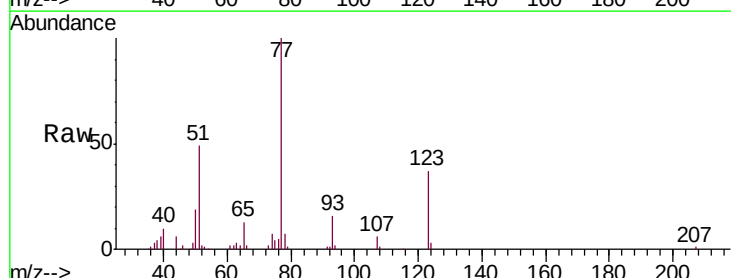
Tgt Ion: 77 Resp: 58562

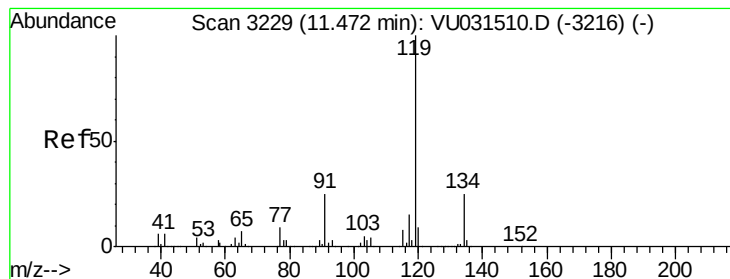
Ion Ratio Lower Upper

77 100

123 39.6 17.2 61.0

65 12.8 9.7 12.3#





#81

p-Isopropyltoluene

Concen: 16.498 ug/l

RT: 11.47 min Scan# 3229

Delta R.T. 0.00 min

Lab File: VU031511.D

Acq: 25 Apr 2019 20:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

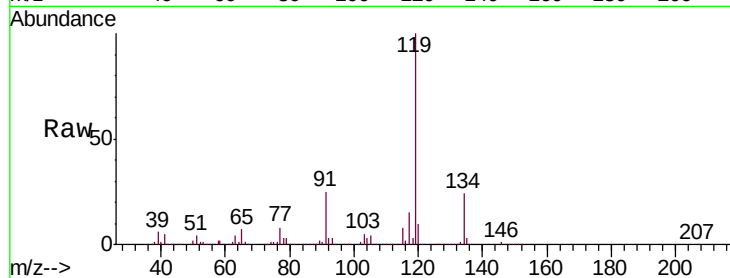
Tgt Ion:119 Resp: 1378734

Ion Ratio Lower Upper

119 100

134 24.8 20.3 30.5

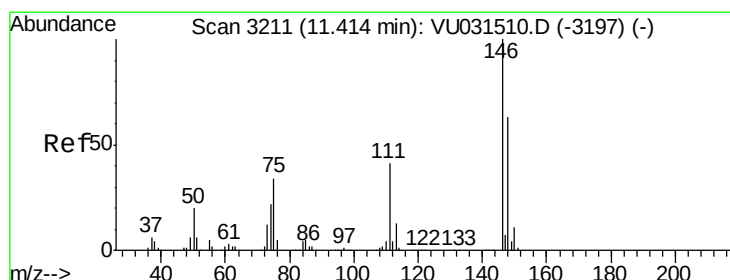
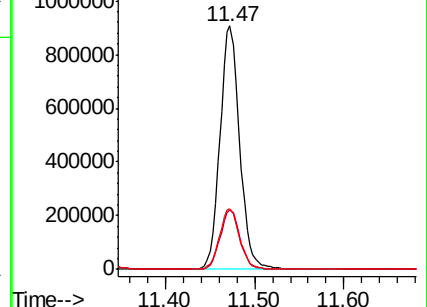
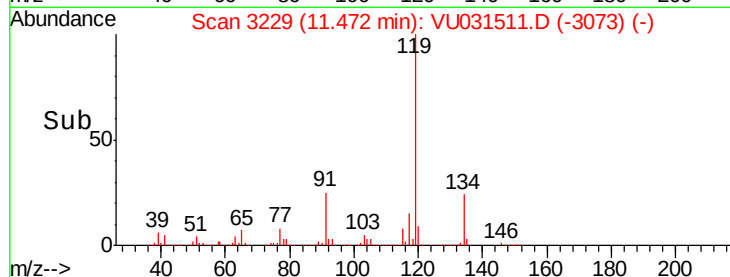
91 25.2 20.3 30.5



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): VU



#82

1,3-Dichlorobenzene

Concen: 14.203 ug/l

RT: 11.41 min Scan# 3210

Delta R.T. -0.00 min

Lab File: VU031511.D

Acq: 25 Apr 2019 20:43

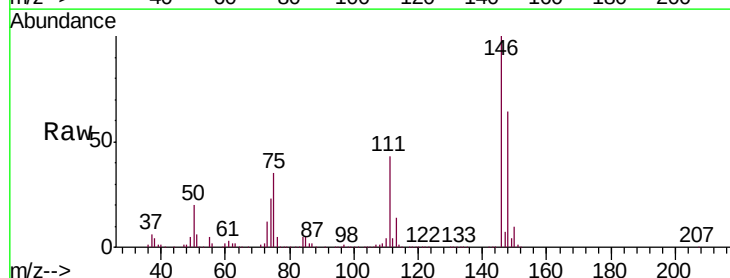
Tgt Ion:146 Resp: 691135

Ion Ratio Lower Upper

146 100

111 42.4 33.4 50.0

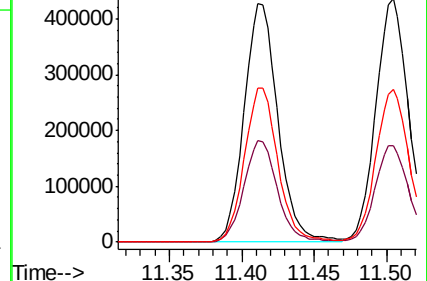
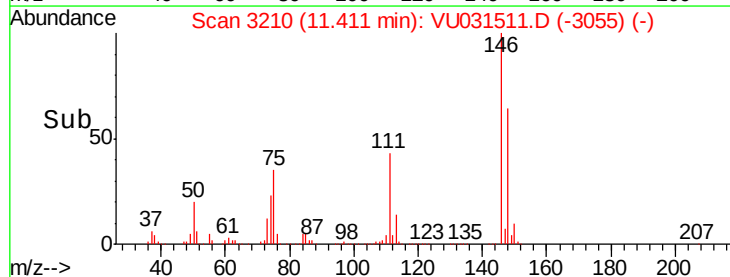
148 64.2 50.2 75.4

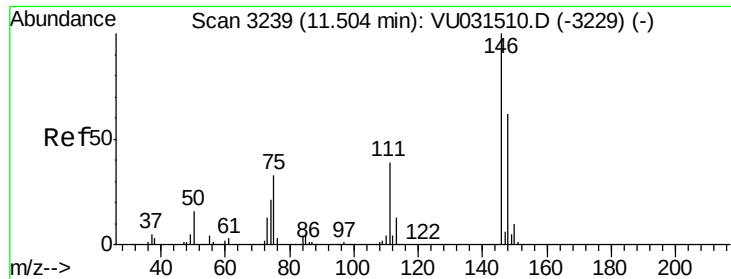


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

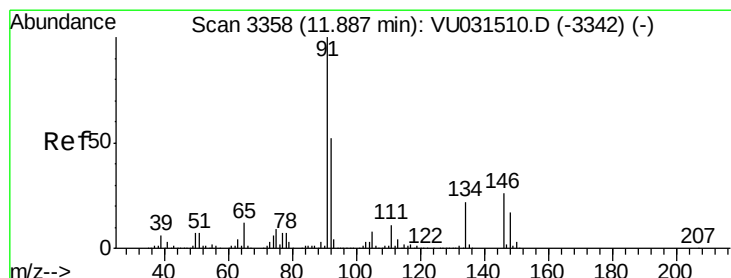
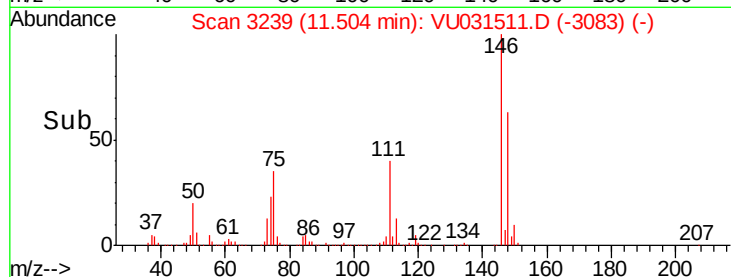
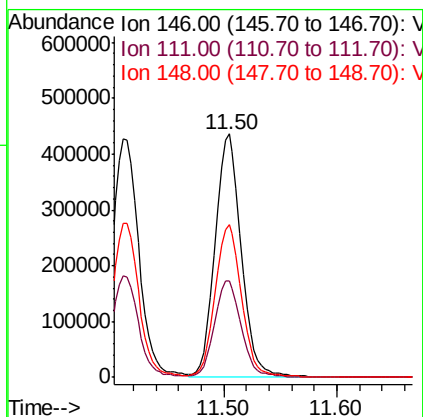
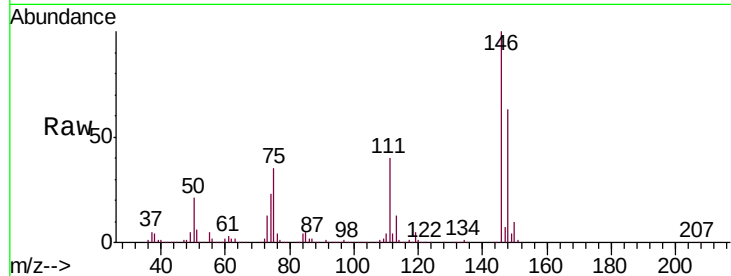




#83
 1,4-Dichlorobenzene
 Concen: 14.867 ug/l
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU031511.D
 Acq: 25 Apr 2019 20:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tgt Ion: 146 Resp: 698333
 Ion Ratio Lower Upper
 146 100
 111 40.6 32.2 48.4
 148 63.7 51.2 76.8



#84
 n-Butylbenzene
 Concen: 17.024 ug/l
 RT: 11.89 min Scan# 3358
 Delta R.T. 0.00 min
 Lab File: VU031511.D
 Acq: 25 Apr 2019 20:43

Tgt Ion: 91 Resp: 1377419
 Ion Ratio Lower Upper
 91 100
 92 51.8 41.2 61.8
 134 22.7 18.1 27.1

