

Data File : VU034466.D
Acq On : 11 Sep 2019 09:46
Operator : JC/SP
Sample : VSTDIC0.5
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Quant Time: Sep 12 02:09:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U091119DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Sep 12 02:05:08 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.72	96	56647	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.29	95	20964	0.95	ug/l	0.00
Spiked Amount 1.000			Recovery	=	95.00%	
68) 1,2-Dichlorobenzene-d4	11.84	152	23606	1.02	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	11512	0.499 ug/l	95
3) Chloromethane	1.32	50	13053	0.514 ug/l	95
4) Vinyl Chloride	1.40	62	11809	0.422 ug/l	96
5) Bromomethane	1.63	94	7805	0.447 ug/l	96
6) Chloroethane	1.69	64	6918	0.365 ug/l	93
7) Trichlorofluoromethane	1.88	101	14603	0.385 ug/l	93
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	8053	0.408 ug/l	97
9) 1,1-Dichloroethene	2.28	96	8271	0.425 ug/l	99
10) Iodomethane	2.40	142	5503	0.216 ug/l	94
11) Allyl Chloride	2.58	41	13621	0.425 ug/l	93
12) Acrylonitrile	2.93	53	3608	0.683 ug/l #	90
13) Acetone	2.32	43	7424	1.641 ug/l	100
14) Carbon Disulfide	2.47	76	28848	0.393 ug/l	97
15) Methylene Chloride	2.69	84	10596	0.408 ug/l	96
16) trans-1,2-Dichloroethene	2.96	96	9224	0.402 ug/l	97
17) 1,1-Dichloroethane	3.42	63	17194	0.530 ug/l	97
18) 2-Butanone	4.27	43	9265	2.064 ug/l	100
19) Cyclohexane	4.97	56	10871	0.451 ug/l	87
20) Methylcyclohexane	6.39	83	12668	0.522 ug/l	94
21) 2,2-Dichloropropane	4.20	77	14911	0.542 ug/l	95
22) cis-1,2-Dichloroethene	4.21	96	9529	0.521 ug/l	95
23) Diethyl Ether	2.10	59	5759	0.350 ug/l	87
24) tert-Butyl Alcohol	2.82	59	12266	4.913 ug/l #	80
25) Methyl tert-Butyl Ether	2.99	73	19077	0.349 ug/l	99
26) Bromochloromethane	4.53	128	4257	0.535 ug/l	96
27) Chloroform	4.66	83	20571	0.564 ug/l	98
28) 1,1,1-Trichloroethane	4.89	97	14028	0.497 ug/l	100
29) 1,1-Dichloropropene	5.12	75	11492	0.491 ug/l	97
30) Carbon Tetrachloride	5.12	117	12216	0.490 ug/l	97
31) Isopropyl Ether	3.56	45	24372	0.582 ug/l	97
32) Ethyl-t-butyl ether	4.05	59	19582	0.497 ug/l	99
33) Tert-Amyl methyl ether	5.57	73	16212	0.467 ug/l	98
34) Propionitrile	4.33	54	2143	1.688 ug/l #	65
35) Benzene	5.37	78	34767	0.511 ug/l	98
36) 1,2-Dichloroethane	5.39	62	9056	0.415 ug/l #	94
37) Trichloroethene	6.17	130	10084	0.555 ug/l	95
38) 1,2-Dichloropropane	6.41	63	9214	0.494 ug/l	97
39) Methacrylonitrile	4.54	41	2143	0.420 ug/l #	66
41) Tetrahydrofuran	4.64	42	2188	0.859 ug/l #	53
42) 1-Chlorobutane	5.04	56	14463	0.457 ug/l	86
43) Dibromomethane	6.54	93	4710	0.470 ug/l	94

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Sep 12 02:05:08 2019
Response via : Initial Calibration

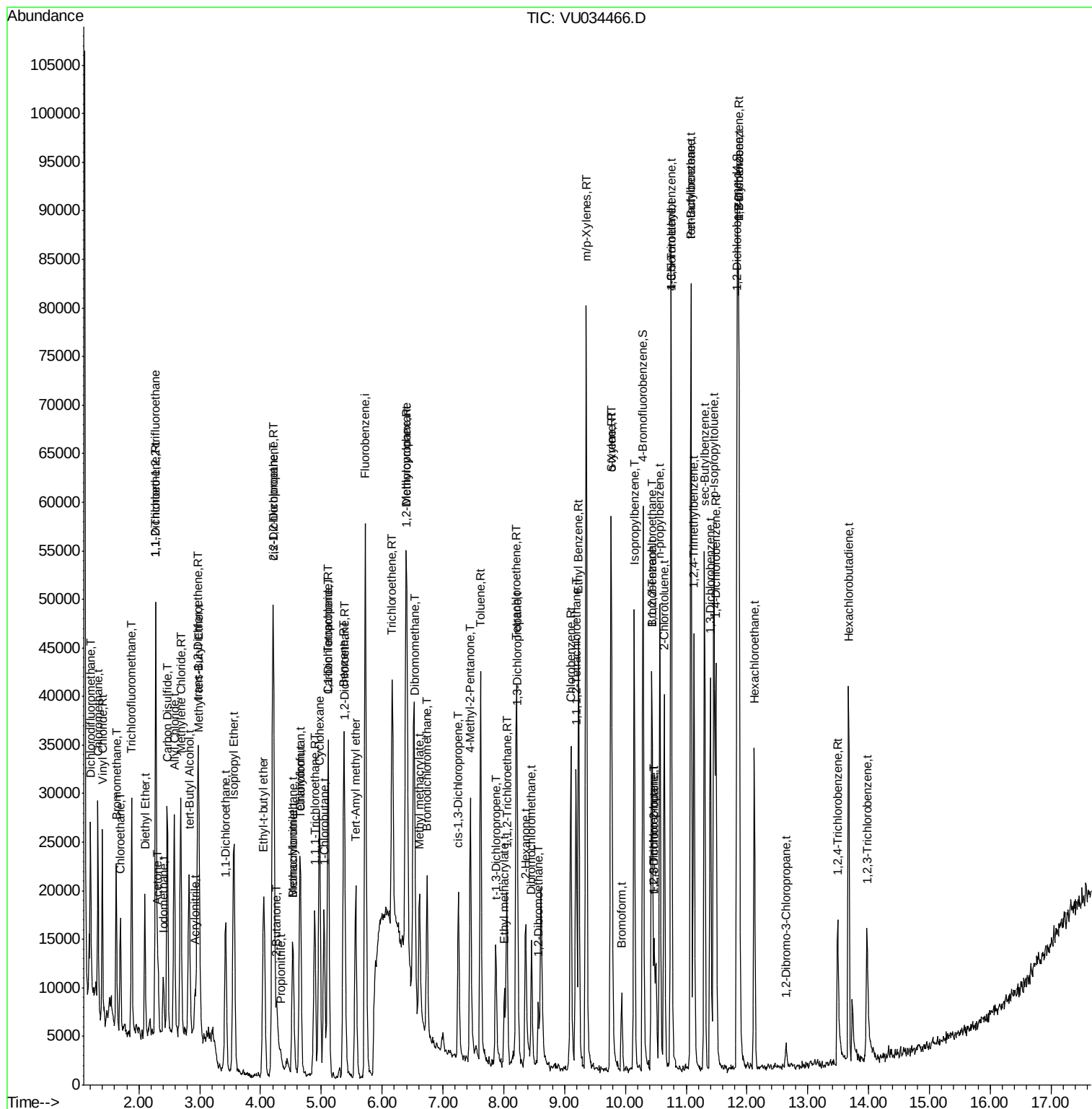
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Bromodichloromethane	6.74	83	11671	0.475	ug/l	97
45) 4-Methyl-2-Pentanone	7.45	43	20011	1.964	ug/l	99
46) t-1,4-Dichloro-2-butene	10.47	75	4277	1.060	ug/l #	76
47) Methyl methacrylate	6.61	69	6108	0.796	ug/l	98
48) Ethyl methacrylate	8.01	69	5072	0.373	ug/l	87
49) Toluene	7.62	92	18705	0.480	ug/l	100
50) t-1,3-Dichloropropene	7.87	75	9240	0.454	ug/l	98
51) cis-1,3-Dichloropropene	7.25	75	11421	0.468	ug/l	96
52) 1,1,2-Trichloroethane	8.05	97	6103	0.453	ug/l	95
53) 1,3-Dichloropropane	8.23	76	9995	0.438	ug/l	99
54) 2-Hexanone	8.36	43	12858	1.799	ug/l	90
55) Dibromochloromethane	8.45	129	7056	0.445	ug/l	100
56) 1,2-Dibromoethane	8.57	107	5722	0.457	ug/l	96
58) Tetrachloroethene	8.21	164	8854	0.535	ug/l	94
59) Chlorobenzene	9.10	112	21363	0.479	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.19	131	8463	0.501	ug/l	96
61) Pentachloroethane	11.08	117	7110	0.515	ug/l	93
62) Hexachloroethane	12.12	117	6089	0.462	ug/l	98
63) Ethyl Benzene	9.23	91	31367	0.438	ug/l	99
64) m/p-Xylenes	9.36	106	24665	0.859	ug/l	93
65) o-Xylene	9.76	106	11591	0.422	ug/l	93
66) Styrene	9.77	104	18635	0.402	ug/l	97
67) Bromoform	9.94	173	4362	0.503	ug/l #	95
69) Isopropylbenzene	10.14	105	31000	0.439	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.44	83	8120	0.456	ug/l	99
71) 1,2,3-Trichloropropane	10.47	75	4277	0.310	ug/l #	80
72) Bromobenzene	10.44	156	9636	0.516	ug/l	96
73) n-propylbenzene	10.57	120	8805	0.436	ug/l	97
74) 2-Chlorotoluene	10.64	126	8271	0.452	ug/l	100
75) 1,3,5-Trimethylbenzene	10.75	105	26189	0.415	ug/l	99
76) 4-Chlorotoluene	10.76	126	8145	0.429	ug/l	98
77) tert-Butylbenzene	11.08	119	27173	0.450	ug/l	98
78) 1,2,4-Trimethylbenzene	11.13	105	25739	0.399	ug/l	98
79) sec-Butylbenzene	11.30	105	35747	0.434	ug/l	98
81) p-Isopropyltoluene	11.46	119	28469	0.423	ug/l	98
82) 1,3-Dichlorobenzene	11.40	146	18852	0.476	ug/l	95
83) 1,4-Dichlorobenzene	11.49	146	19449	0.497	ug/l	99
84) n-Butylbenzene	11.87	91	27319	0.402	ug/l	92
85) 1,2-Dichlorobenzene	11.86	146	17959	0.487	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	12.64	75	892	0.323	ug/l	98
87) 1,2,4-Trichlorobenzene	13.49	180	7727	0.351	ug/l	95
88) Hexachlorobutadiene	13.67	225	8111	0.576	ug/l	99
90) 1,2,3-Trichlorobenzene	13.97	180	6717	0.316	ug/l	92

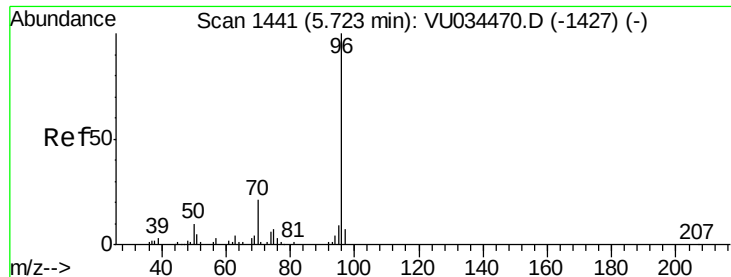
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.72 min Scan# 1441

Delta R.T. -0.00 min

Lab File: VU034466.D

Acq: 11 Sep 2019 09:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 96 Resp: 56647

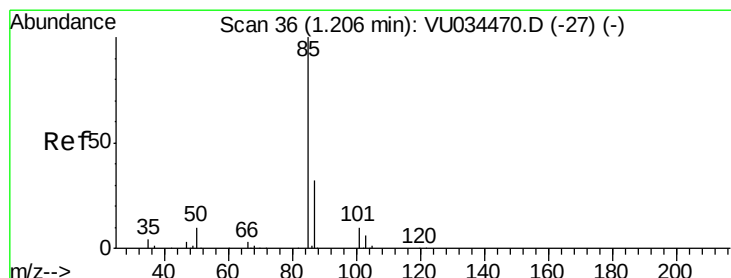
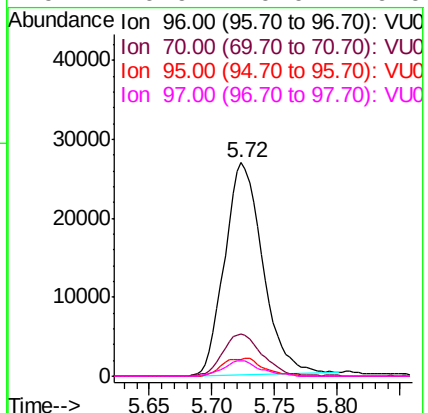
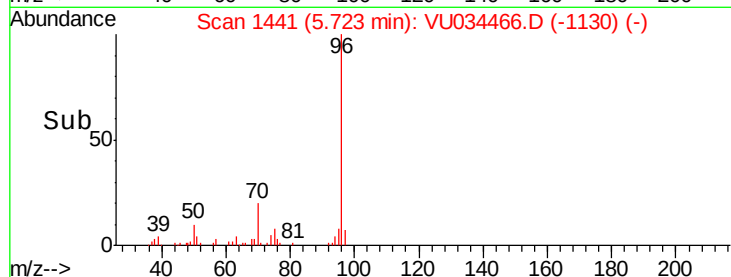
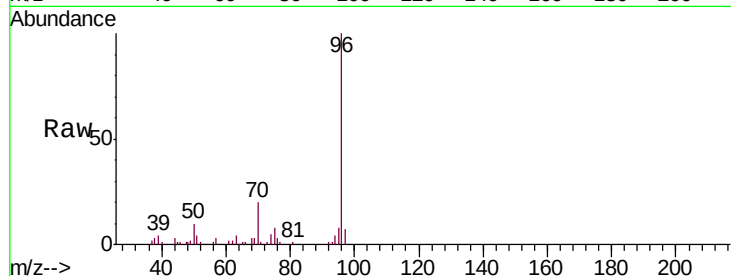
Ion Ratio Lower Upper

96 100

70 20.8 16.5 24.7

95 9.1 7.0 10.6

97 6.9 0.0 0.0#



#2

Dichlorodifluoromethane

Concen: 0.499 ug/l

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU034466.D

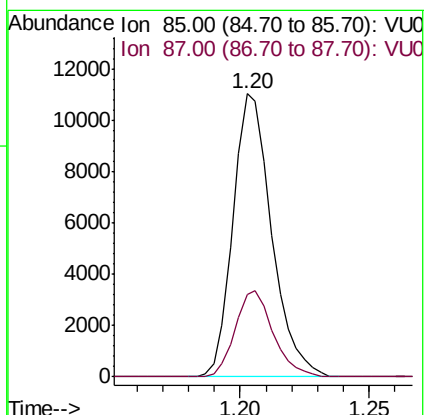
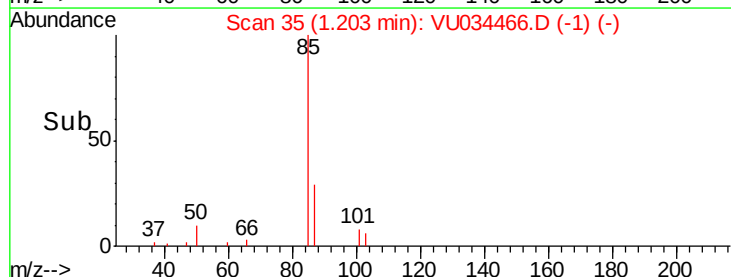
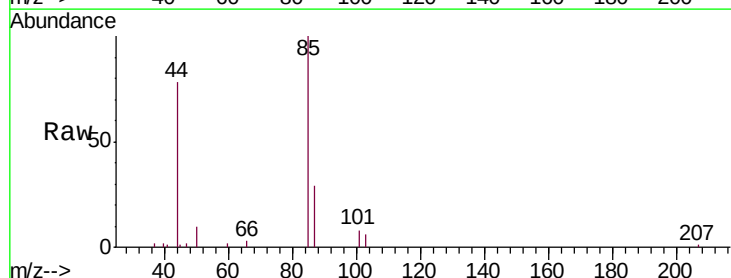
Acq: 11 Sep 2019 09:46

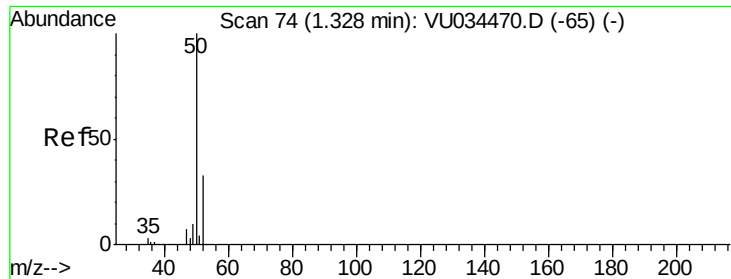
Tgt Ion: 85 Resp: 11512

Ion Ratio Lower Upper

85 100

87 29.3 16.1 48.3





#3

Chloromethane

Concen: 0.514 ug/l

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU034466.D

Acq: 11 Sep 2019 09:46

Instrument :

MSVOA_U

ClientSampleId :

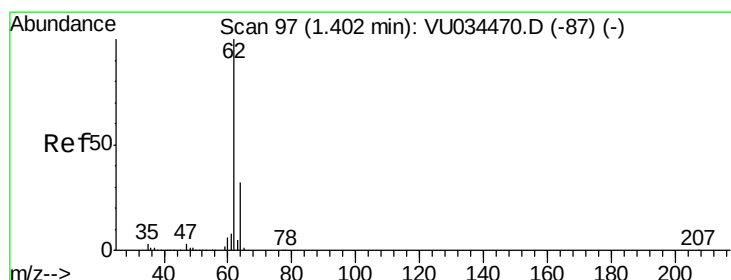
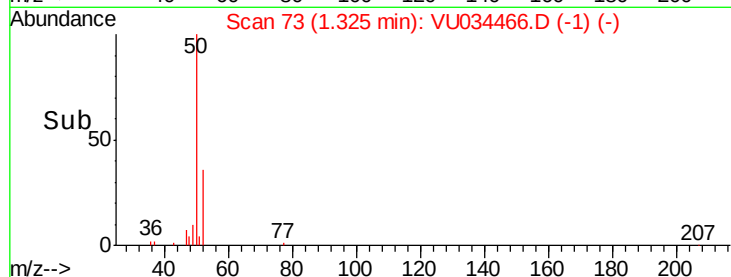
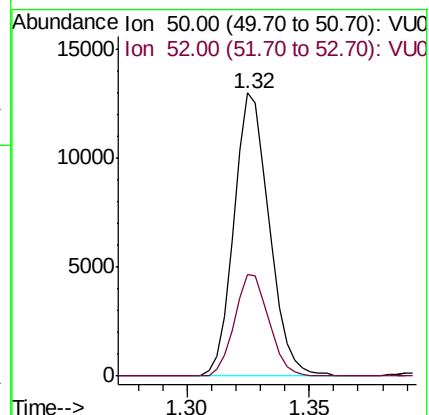
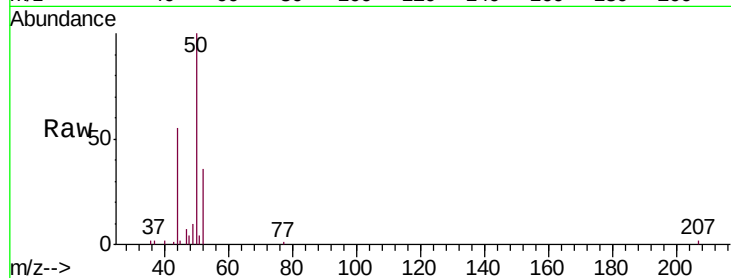
VSTDIC0.5

Tgt Ion: 50 Resp: 13053

Ion Ratio Lower Upper

50 100

52 35.8 26.2 39.4



#4

Vinyl Chloride

Concen: 0.422 ug/l

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU034466.D

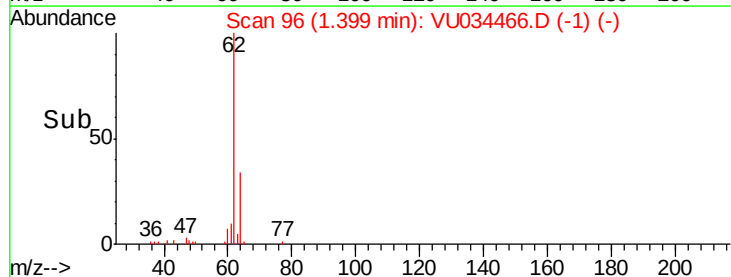
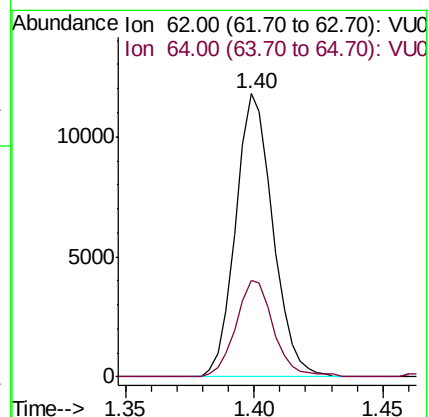
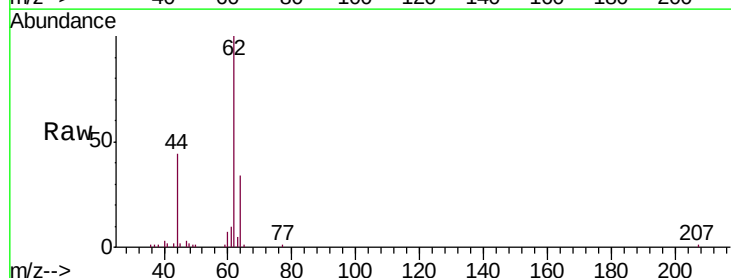
Acq: 11 Sep 2019 09:46

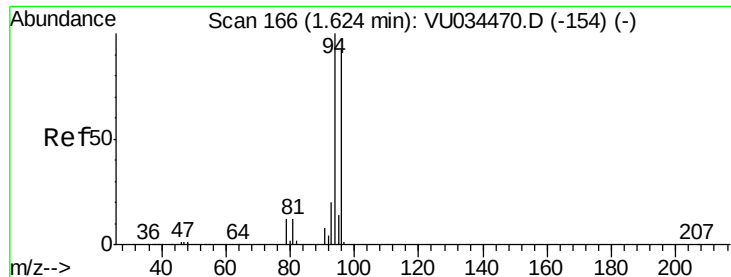
Tgt Ion: 62 Resp: 11809

Ion Ratio Lower Upper

62 100

64 33.9 25.4 38.0





#5

Bromomethane

Concen: 0.447 ug/l

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU034466.D

Acq: 11 Sep 2019 09:46

Instrument :

MSVOA_U

ClientSampleId :

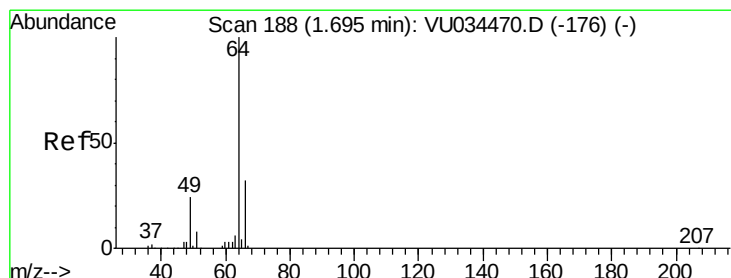
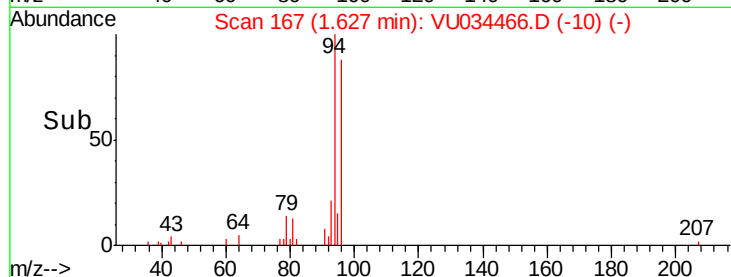
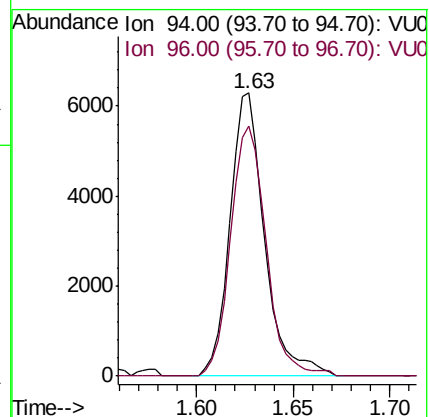
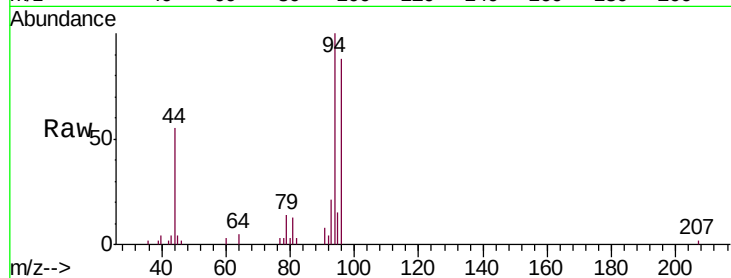
VSTDIC0.5

Tgt Ion: 94 Resp: 7805

Ion Ratio Lower Upper

94 100

96 88.4 73.8 110.8



#6

Chloroethane

Concen: 0.365 ug/l

RT: 1.69 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU034466.D

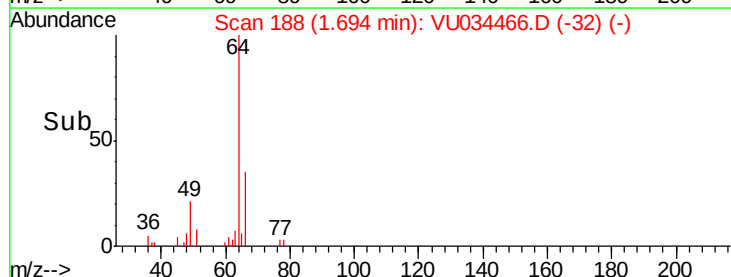
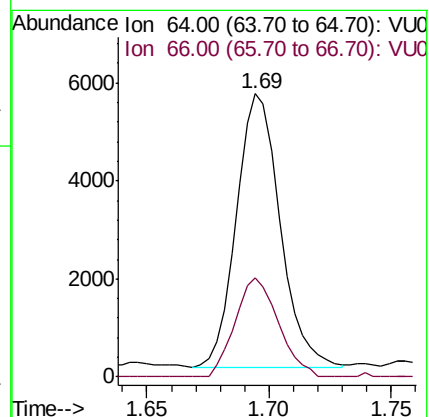
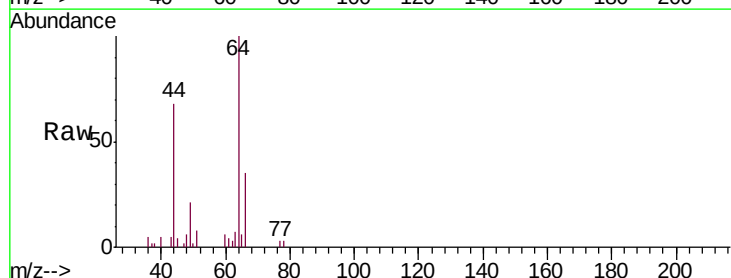
Acq: 11 Sep 2019 09:46

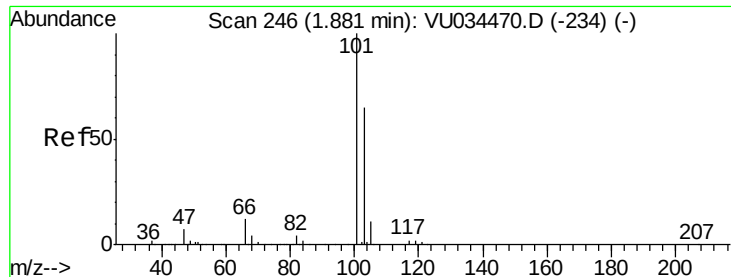
Tgt Ion: 64 Resp: 6918

Ion Ratio Lower Upper

64 100

66 36.0 25.8 38.8



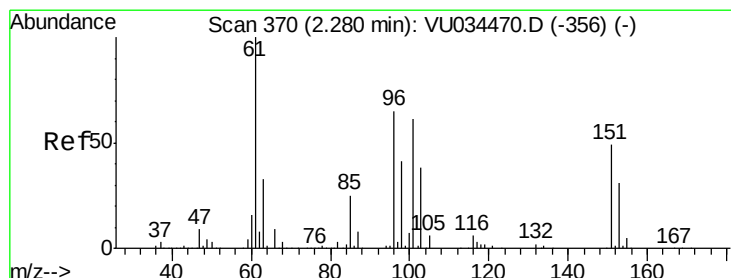
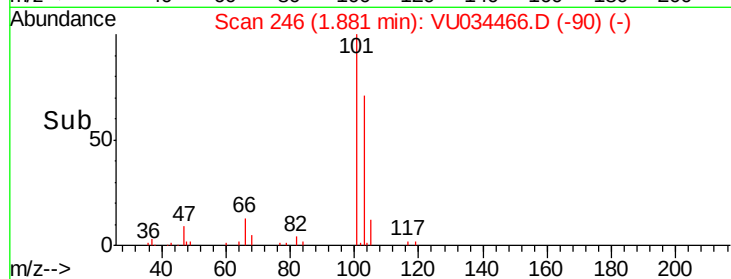
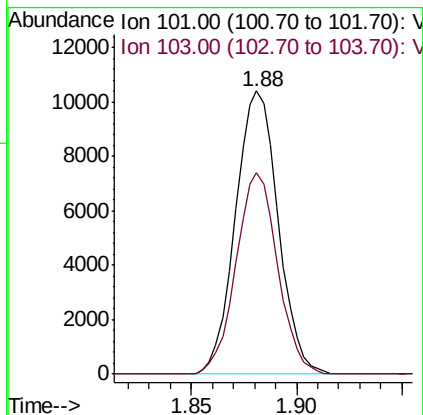
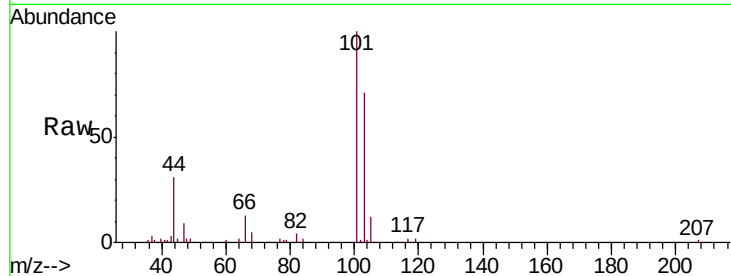


#7

Trichlorofluoromethane
 Concen: 0.385 ug/l
 RT: 1.88 min Scan# 246
 Delta R.T. 0.00 min
 Lab File: VU034466.D
 Acq: 11 Sep 2019 09:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

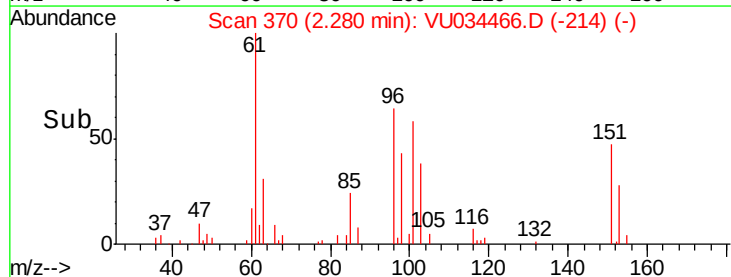
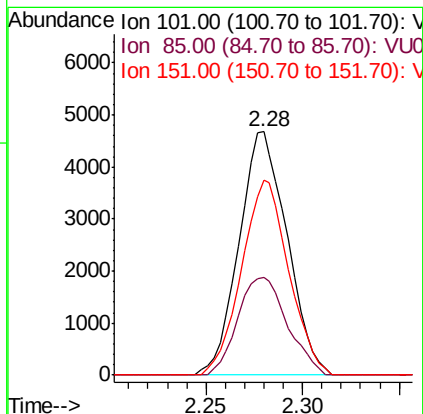
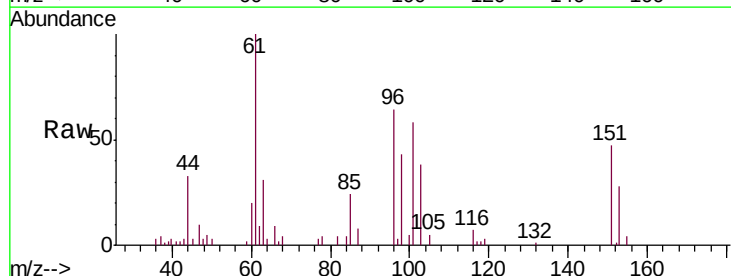
Tgt Ion:101 Resp: 14603
 Ion Ratio Lower Upper
 101 100
 103 71.1 52.2 78.4

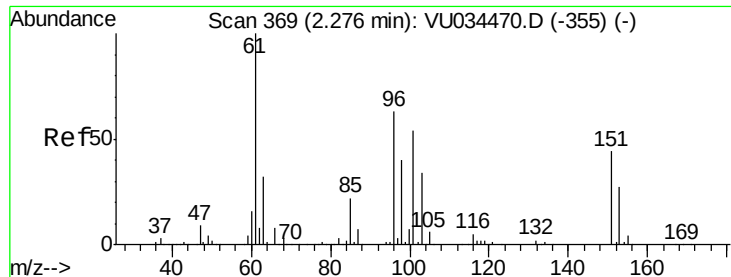


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.408 ug/l
 RT: 2.28 min Scan# 370
 Delta R.T. -0.00 min
 Lab File: VU034466.D
 Acq: 11 Sep 2019 09:46

Tgt Ion:101 Resp: 8053
 Ion Ratio Lower Upper
 101 100
 85 41.5 34.2 51.2
 151 78.8 65.2 97.8





#9

1,1-Dichloroethene

Concen: 0.425 ug/l

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU034466.D

Acq: 11 Sep 2019 09:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

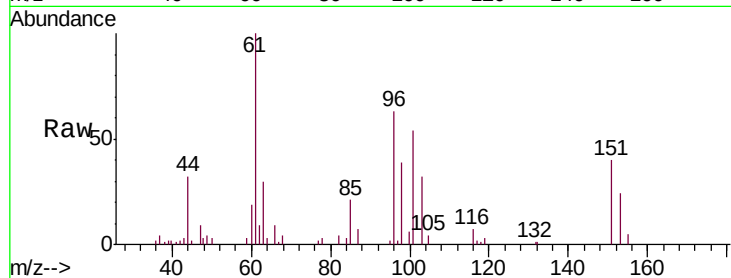
Tgt Ion: 96 Resp: 8271

Ion Ratio Lower Upper

96 100

61 159.0 0.0 475.5

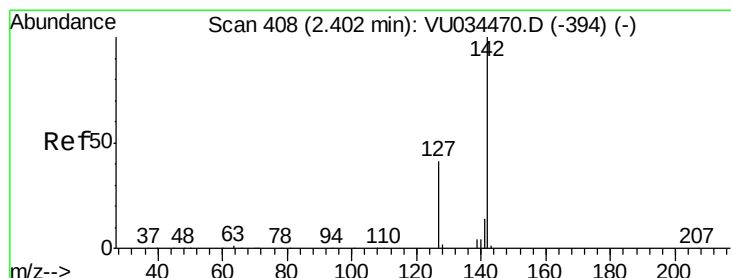
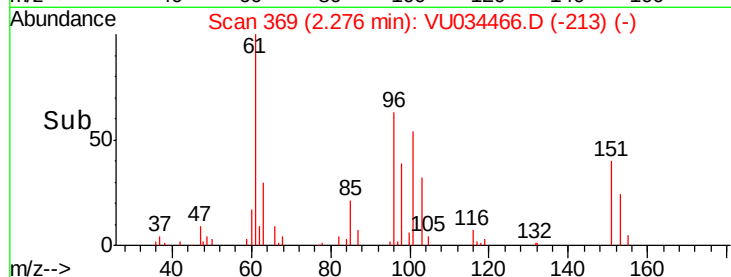
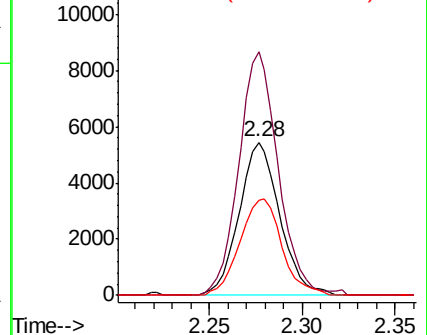
98 62.3 0.0 127.6



Abundance Ion 96.00 (95.70 to 96.70): VU034470.D (-355) (-)

Ion 61.00 (60.70 to 61.70): VU034470.D (-355) (-)

Ion 98.00 (97.70 to 98.70): VU034470.D (-355) (-)



#10

Iodomethane

Concen: 0.216 ug/l

RT: 2.40 min Scan# 408

Delta R.T. -0.00 min

Lab File: VU034466.D

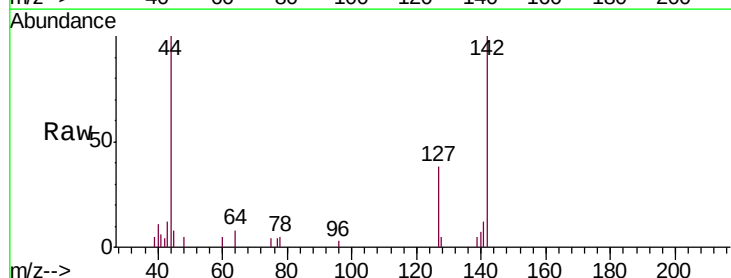
Acq: 11 Sep 2019 09:46

Tgt Ion: 142 Resp: 5503

Ion Ratio Lower Upper

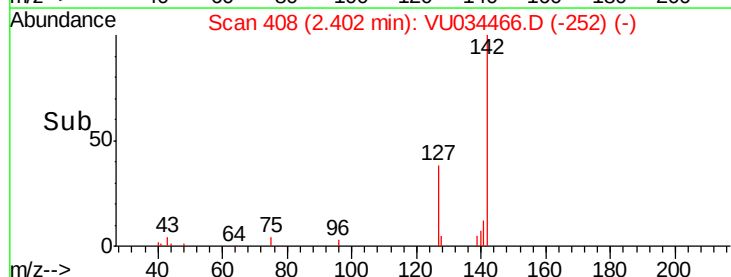
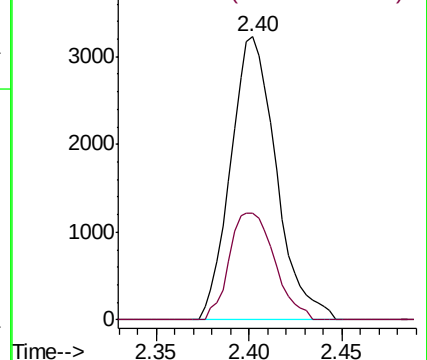
142 100

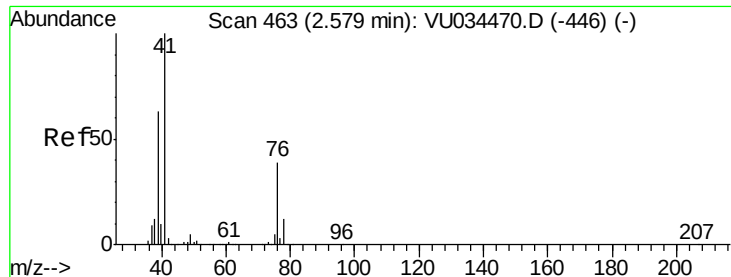
127 37.4 33.0 49.6



Abundance Ion 142.00 (141.70 to 142.70): VU034470.D (-394) (-)

Ion 127.00 (126.70 to 127.70): VU034470.D (-394) (-)

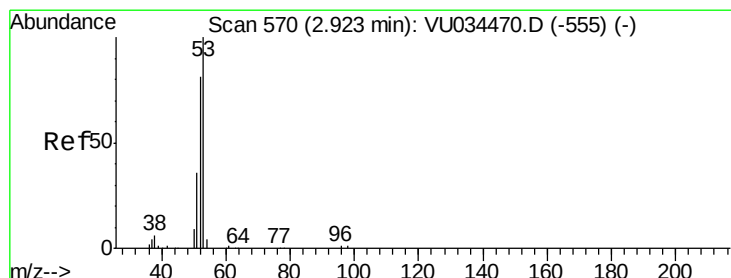
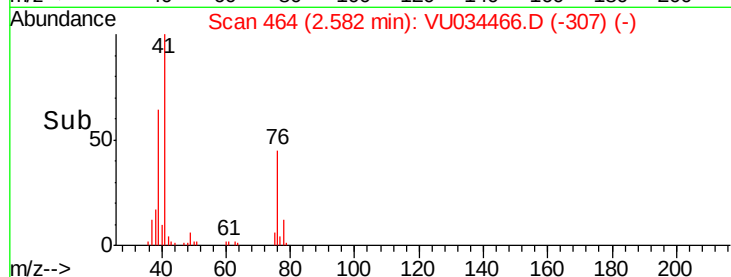
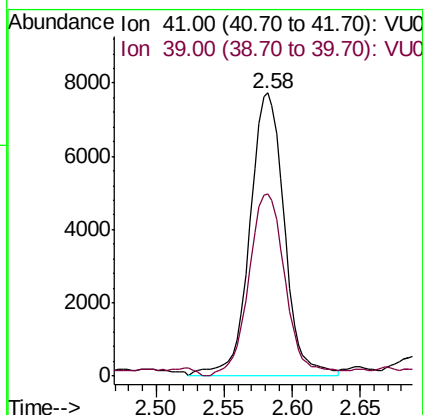
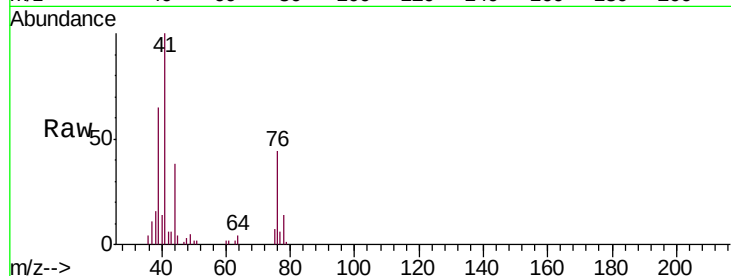




#11
 Allyl Chloride
 Concen: 0.425 ug/l
 RT: 2.58 min Scan# 464
 Delta R.T. 0.00 min
 Lab File: VU034466.D
 Acq: 11 Sep 2019 09:46

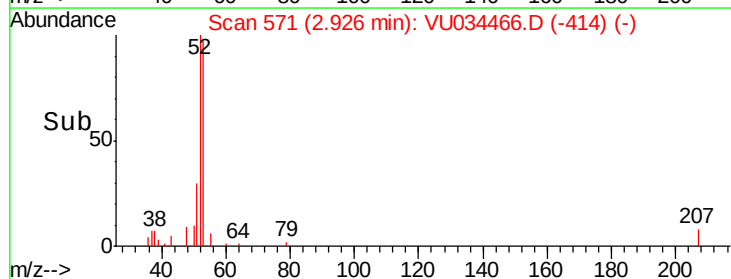
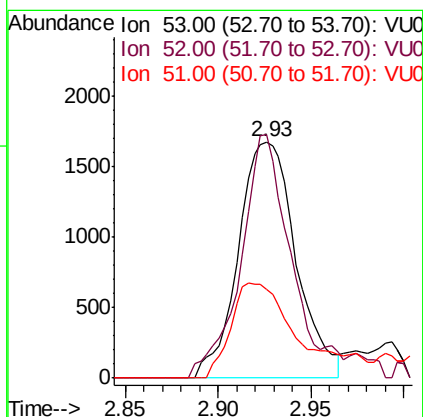
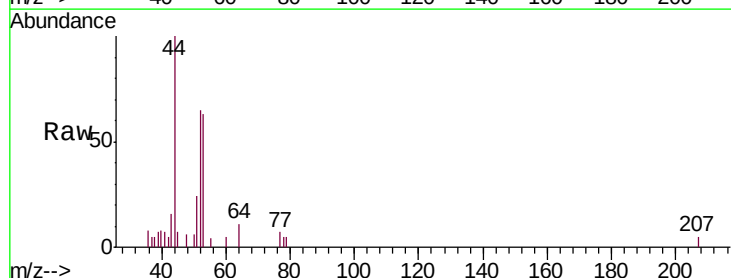
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

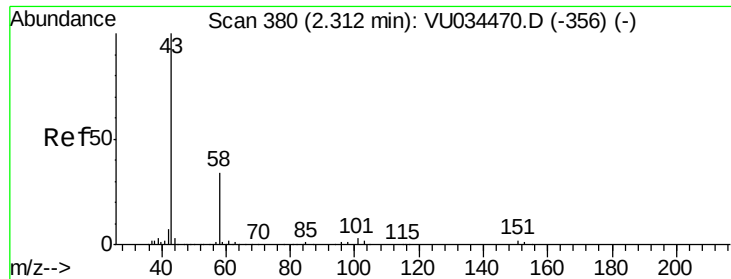
Tgt Ion: 41 Resp: 13621
 Ion Ratio Lower Upper
 41 100
 39 68.2 50.2 75.2



#12
 Acrylonitrile
 Concen: 0.683 ug/l
 RT: 2.93 min Scan# 571
 Delta R.T. 0.00 min
 Lab File: VU034466.D
 Acq: 11 Sep 2019 09:46

Tgt Ion: 53 Resp: 3608
 Ion Ratio Lower Upper
 53 100
 52 90.2 66.9 100.3
 51 44.6 28.4 42.6#





#13

Acetone

Concen: 1.641 ug/l

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VU034466.D

Acq: 11 Sep 2019 09:46

Instrument :

MSVOA_U

ClientSampled :

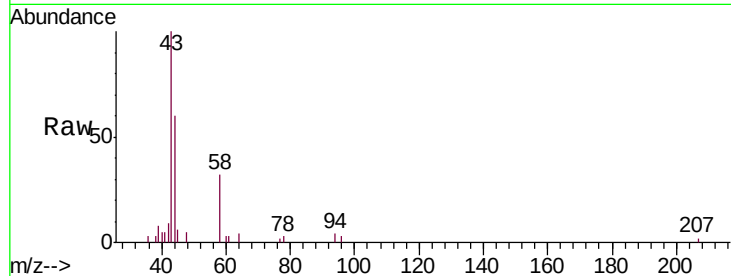
VSTDIC0.5

Tgt Ion: 43 Resp: 7424

Ion Ratio Lower Upper

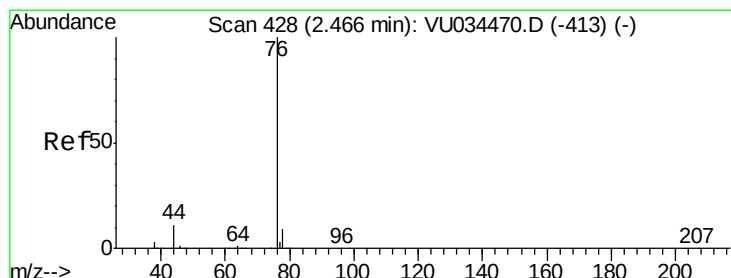
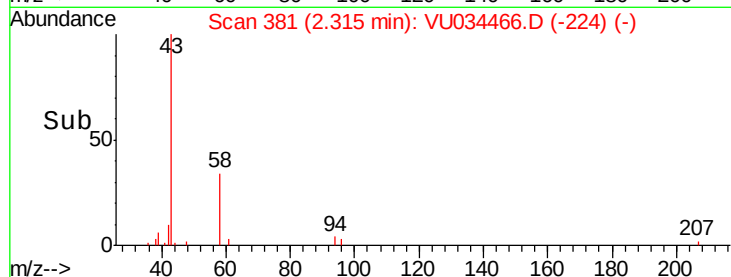
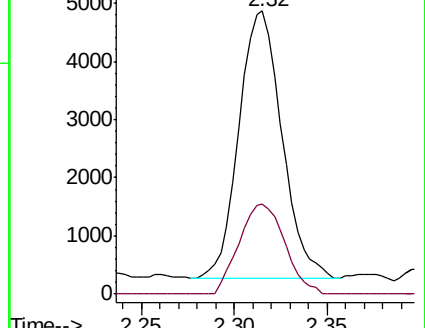
43 100

58 33.9 26.9 40.3



Abundance Ion 43.00 (42.70 to 43.70): VU034466.D (-224) (-)

Ion 58.00 (57.70 to 58.70): VU034466.D (-224) (-)



#14

Carbon Disulfide

Concen: 0.393 ug/l

RT: 2.47 min Scan# 428

Delta R.T. 0.00 min

Lab File: VU034466.D

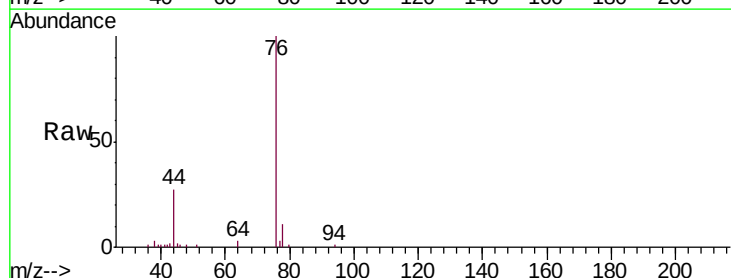
Acq: 11 Sep 2019 09:46

Tgt Ion: 76 Resp: 28848

Ion Ratio Lower Upper

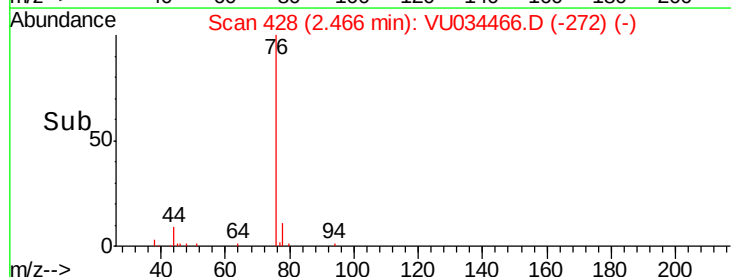
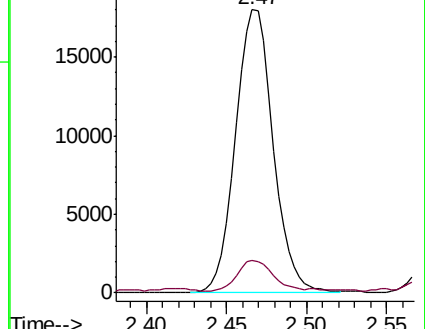
76 100

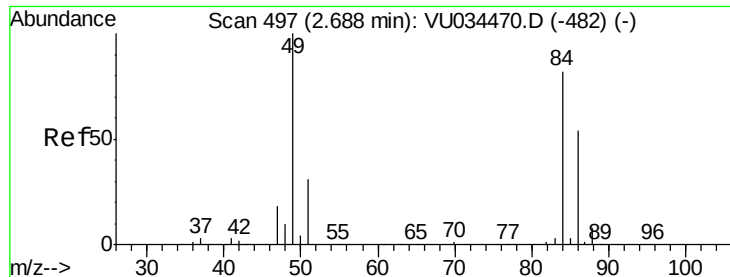
78 10.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU034466.D (-272) (-)

Ion 78.00 (77.70 to 78.70): VU034466.D (-272) (-)

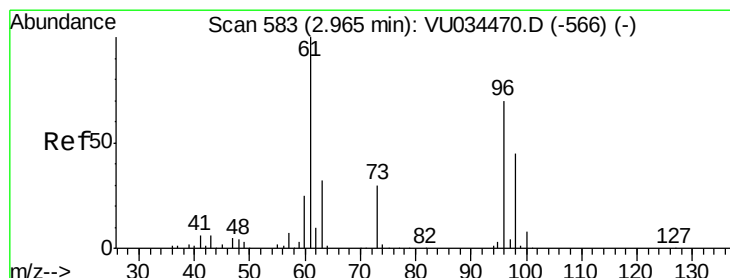
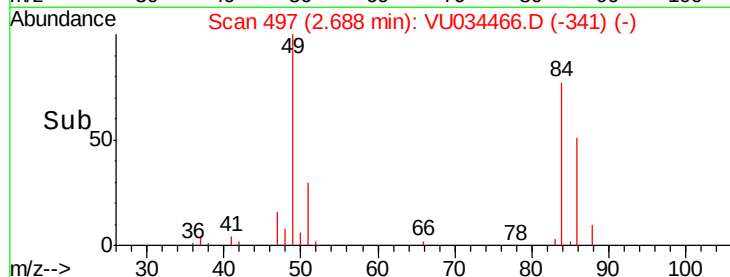
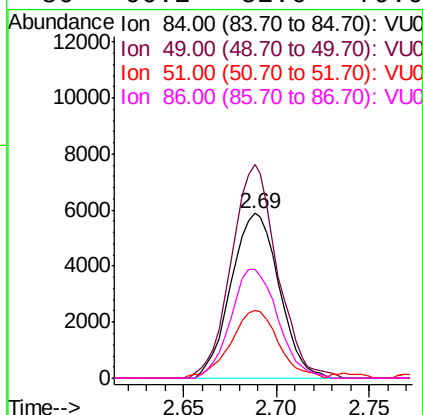
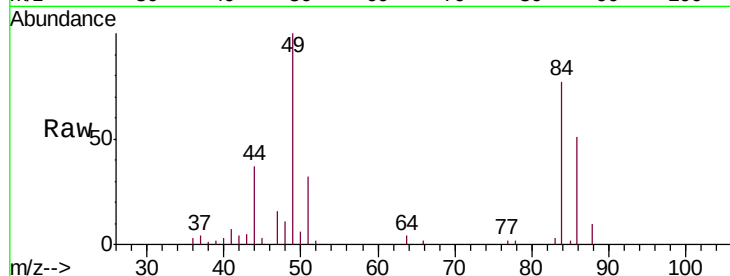




#15
Methylene Chloride
Concen: 0.408 ug/l
RT: 2.69 min Scan# 497
Delta R.T. -0.00 min
Lab File: VU034466.D
Acq: 11 Sep 2019 09:46

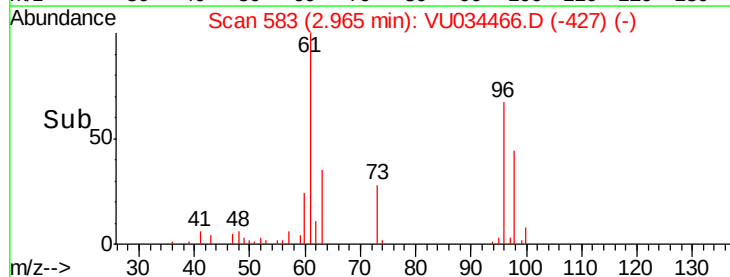
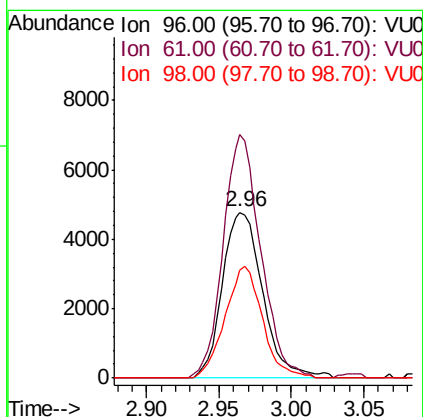
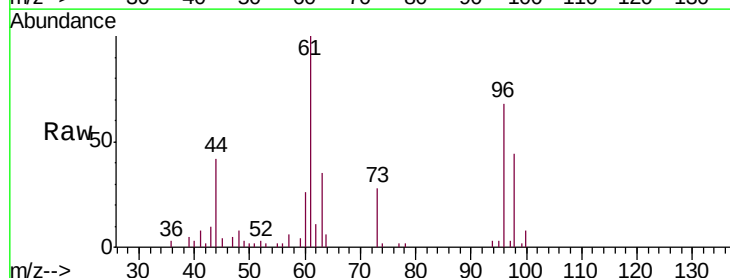
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

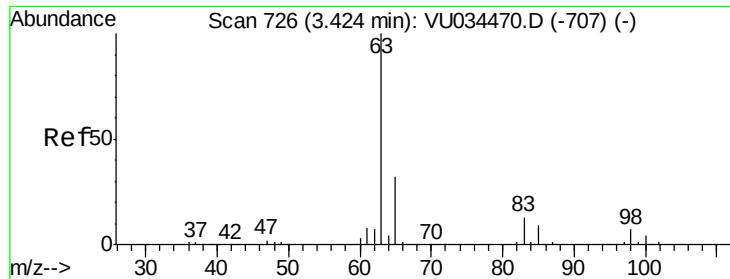
Tgt Ion:	84	Resp:	10596
Ion	Ratio	Lower	Upper
84	100		
49	129.7	97.8	146.6
51	39.5	0.0	76.4
86	66.2	52.6	79.0



#16
trans-1,2-Dichloroethene
Concen: 0.402 ug/l
RT: 2.96 min Scan# 583
Delta R.T. -0.00 min
Lab File: VU034466.D
Acq: 11 Sep 2019 09:46

Tgt Ion:	96	Resp:	9224
Ion	Ratio	Lower	Upper
96	100		
61	146.9	114.5	171.7
98	65.3	51.2	76.8

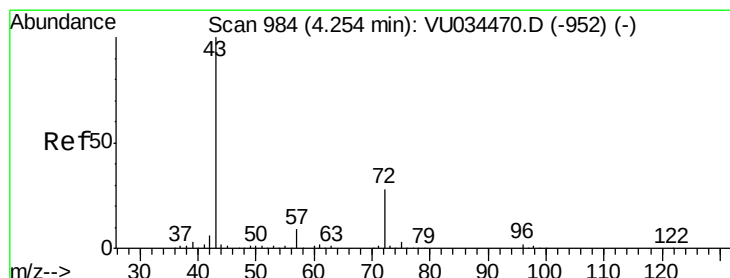
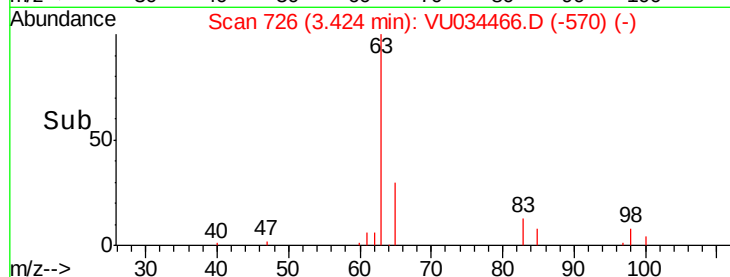
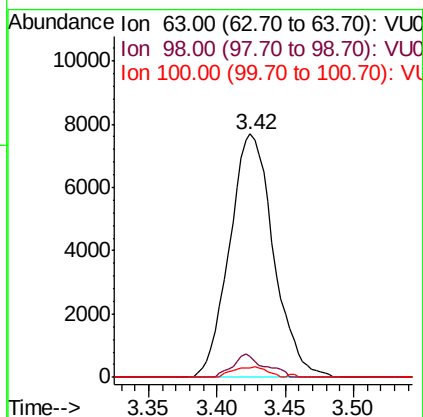
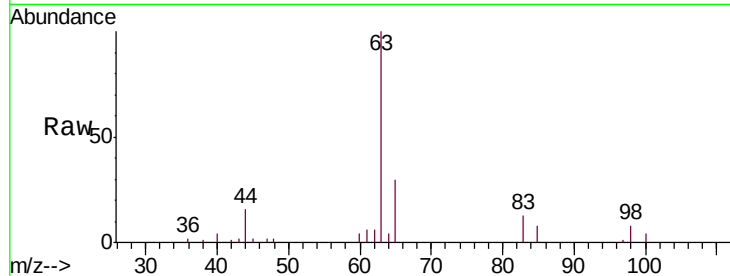




#17
 1,1-Dichloroethane
 Concen: 0.530 ug/l
 RT: 3.42 min Scan# 726
 Delta R.T. -0.00 min
 Lab File: VU034466.D
 Acq: 11 Sep 2019 09:46

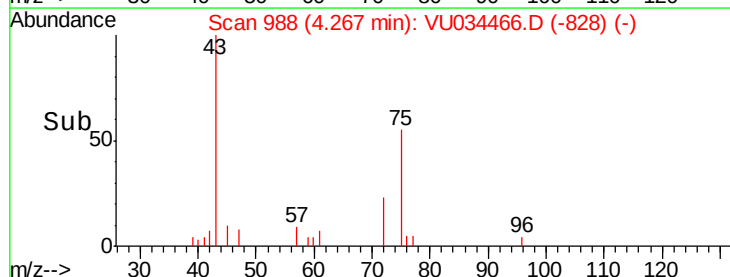
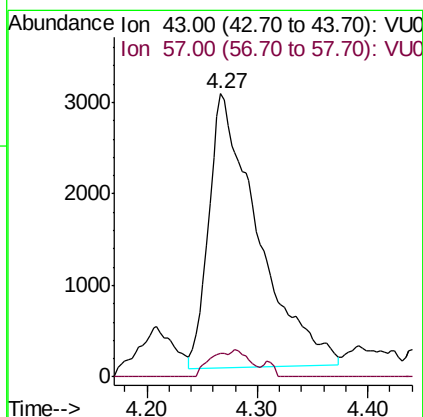
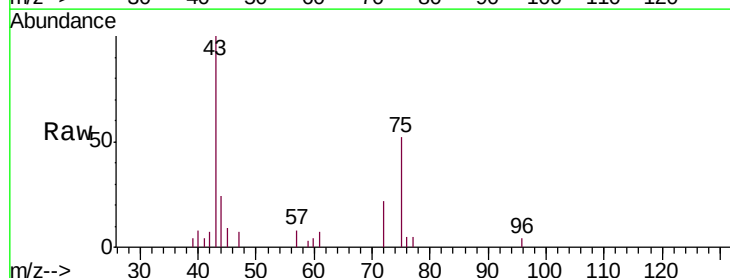
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

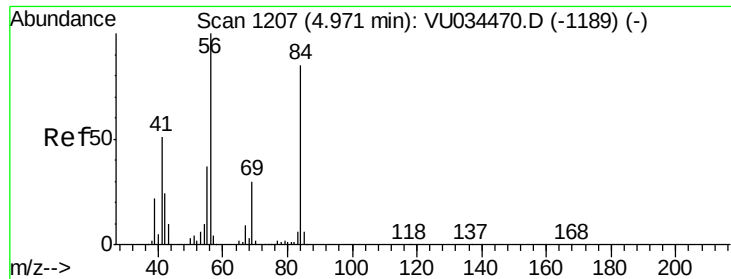
Tgt Ion: 63 Resp: 17194
 Ion Ratio Lower Upper
 63 100
 98 8.5 3.5 10.4
 100 4.1 2.3 6.8



#18
 2-Butanone
 Concen: 2.064 ug/l
 RT: 4.27 min Scan# 988
 Delta R.T. 0.01 min
 Lab File: VU034466.D
 Acq: 11 Sep 2019 09:46

Tgt Ion: 43 Resp: 9265
 Ion Ratio Lower Upper
 43 100
 57 9.0 0.0 17.8

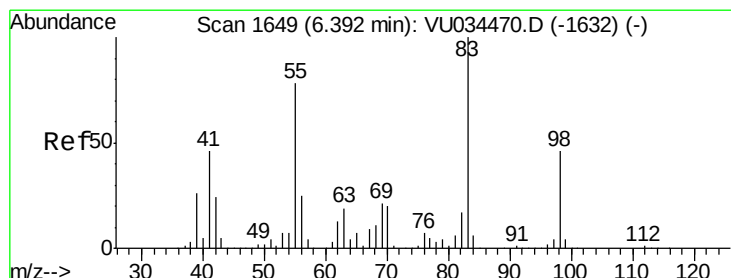
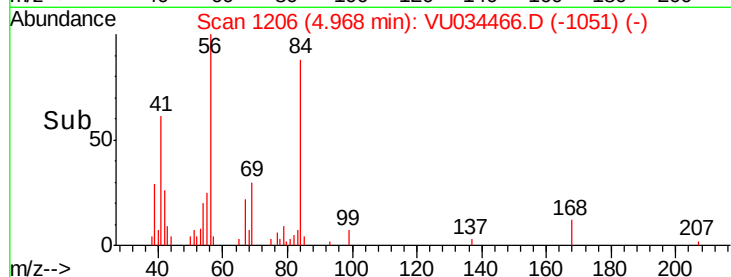
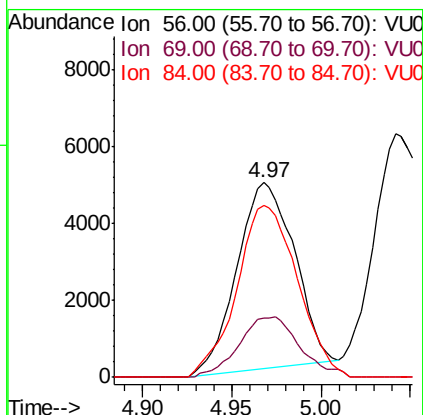
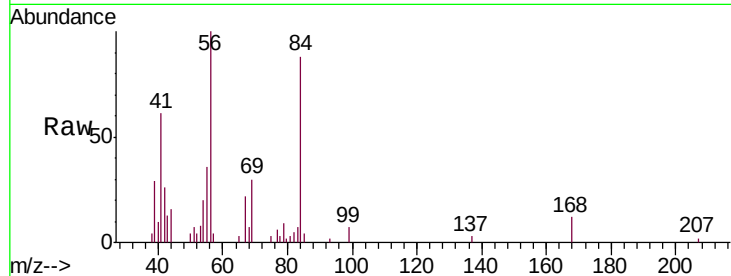




#19
Cyclohexane
Concen: 0.451 ug/l
RT: 4.97 min Scan# 1206
Delta R.T. -0.00 min
Lab File: VU034466.D
Acq: 11 Sep 2019 09:46

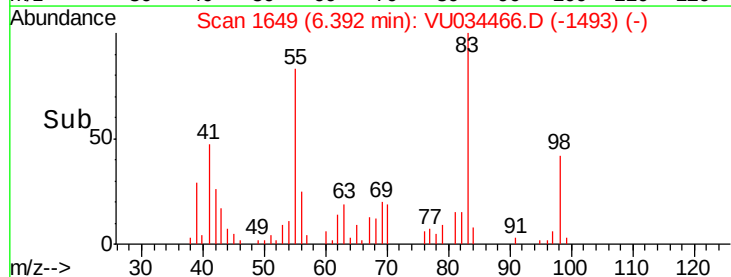
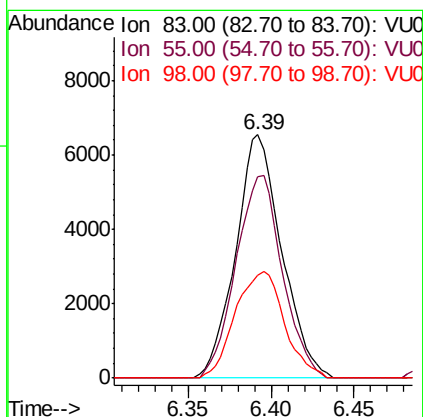
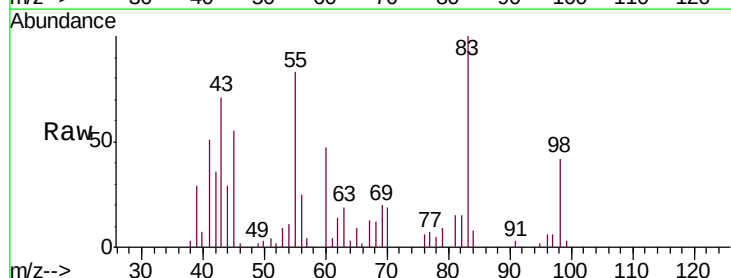
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

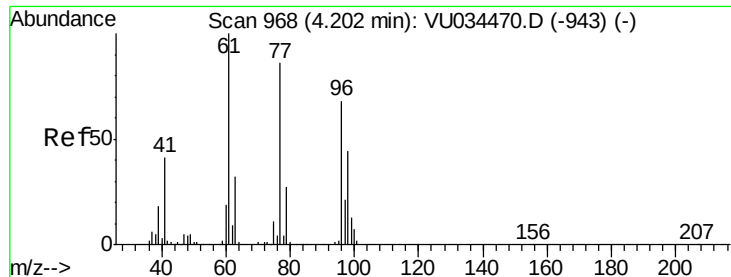
Tgt Ion: 56 Resp: 10871
Ion Ratio Lower Upper
56 100
69 34.2 24.4 36.6
84 97.3 66.9 100.3



#20
Methylcyclohexane
Concen: 0.522 ug/l
RT: 6.39 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VU034466.D
Acq: 11 Sep 2019 09:46

Tgt Ion: 83 Resp: 12668
Ion Ratio Lower Upper
83 100
55 83.7 61.7 92.5
98 46.5 36.0 54.0





#21

2,2-Dichloropropane

Concen: 0.542 ug/l

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU034466.D

Acq: 11 Sep 2019 09:46

Instrument :

MSVOA_U

ClientSampleId :

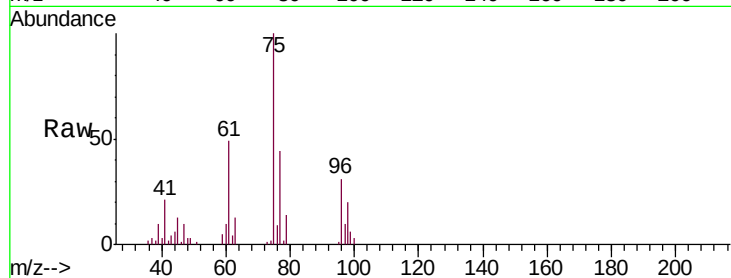
VSTDIC0.5

Tgt Ion: 77 Resp: 14911

Ion Ratio Lower Upper

77 100

97 21.2 18.9 28.3



Abundance Ion 77.00 (76.70 to 77.70): VU034466.D (-812) (-)

Ion 97.00 (96.70 to 97.70): VU034466.D (-812) (-)

4.20

6000

5000

4000

3000

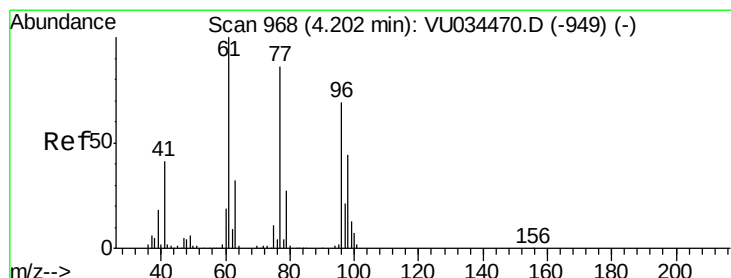
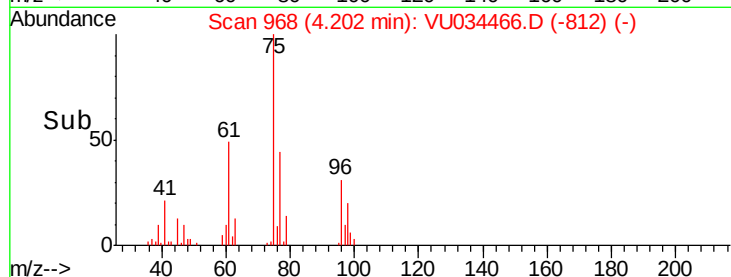
2000

1000

0

Time-->

4.10 4.15 4.20 4.25 4.30



#22

cis-1,2-Dichloroethene

Concen: 0.521 ug/l

RT: 4.21 min Scan# 969

Delta R.T. 0.00 min

Lab File: VU034466.D

Acq: 11 Sep 2019 09:46

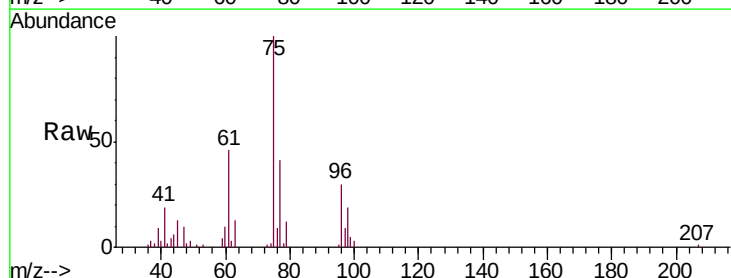
Tgt Ion: 96 Resp: 9529

Ion Ratio Lower Upper

96 100

61 156.5 0.0 369.5

98 63.1 32.4 97.2



Abundance Ion 96.00 (95.70 to 96.70): VU034466.D (-812) (-)

Ion 61.00 (60.70 to 61.70): VU034466.D (-812) (-)

Ion 98.00 (97.70 to 98.70): VU034466.D (-812) (-)

8000

6000

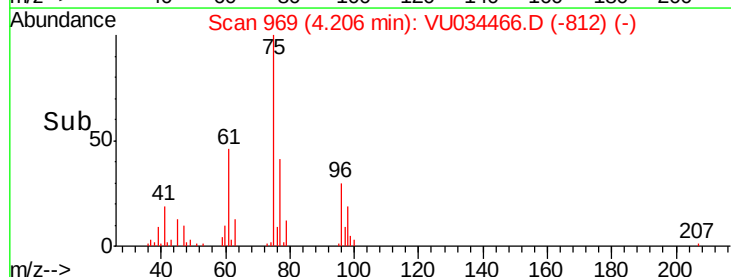
4000

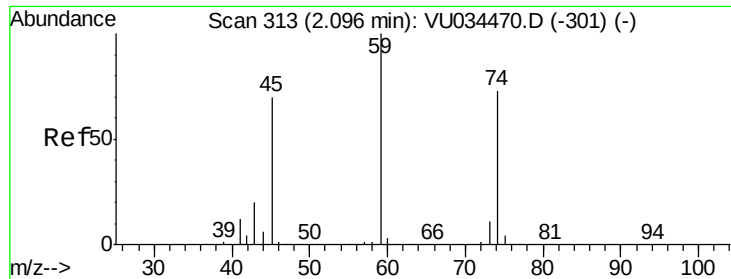
2000

0

Time-->

4.15 4.20 4.25 4.30

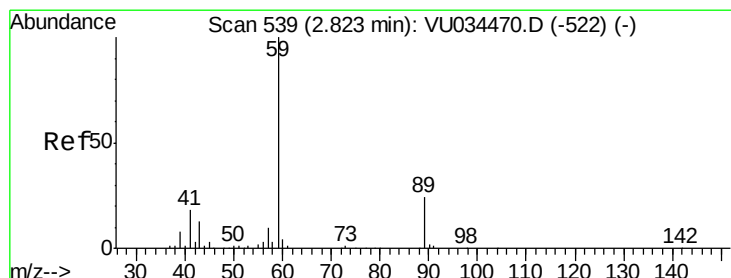
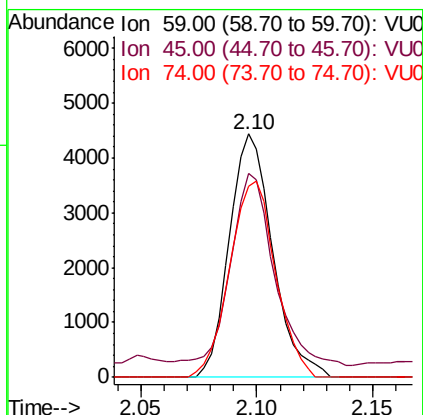
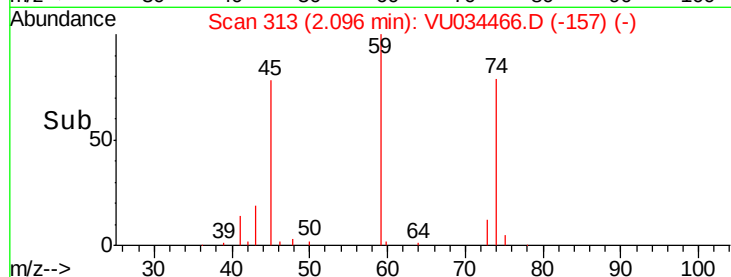
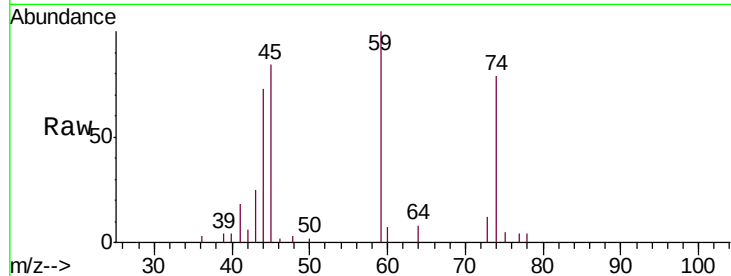




#23
Diethyl Ether
Concen: 0.350 ug/l
RT: 2.10 min Scan# 313
Delta R.T. -0.00 min
Lab File: VU034466.D
Acq: 11 Sep 2019 09:46

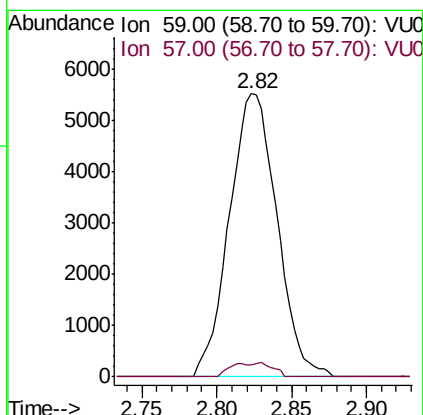
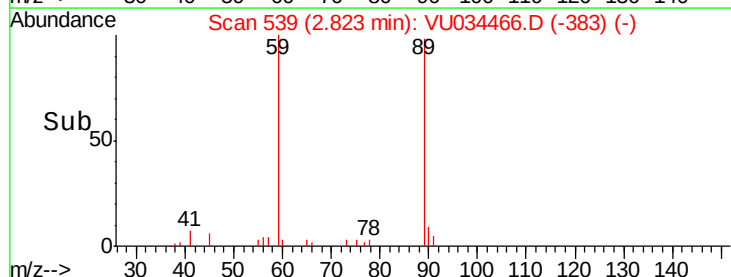
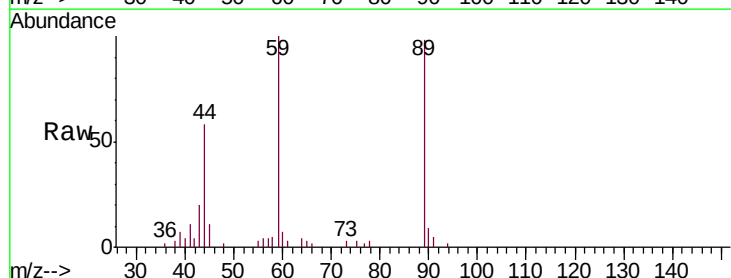
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

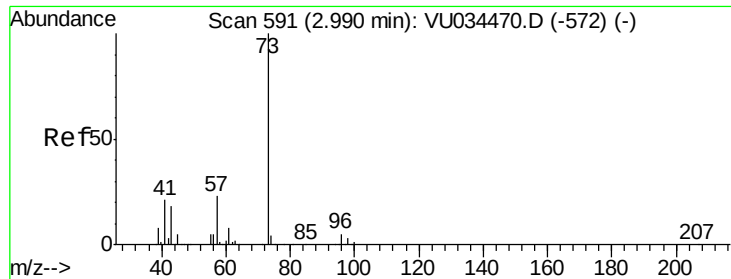
Tgt Ion: 59 Resp: 5759
Ion Ratio Lower Upper
59 100
45 79.4 56.3 84.5
74 85.1 58.2 87.2



#24
tert-Butyl Alcohol
Concen: 4.913 ug/l
RT: 2.82 min Scan# 539
Delta R.T. 0.00 min
Lab File: VU034466.D
Acq: 11 Sep 2019 09:46

Tgt Ion: 59 Resp: 12266
Ion Ratio Lower Upper
59 100
57 2.0 7.3 10.9#





#25

Methyl tert-Butyl Ether

Concen: 0.349 ug/l

RT: 2.99 min Scan# 591

Delta R.T. -0.00 min

Lab File: VU034466.D

Acq: 11 Sep 2019 09:46

Instrument :

MSVOA_U

ClientSampleId :

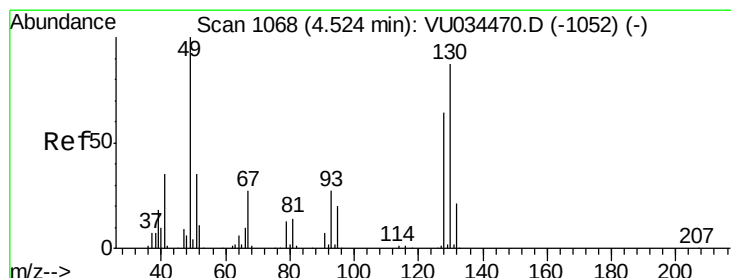
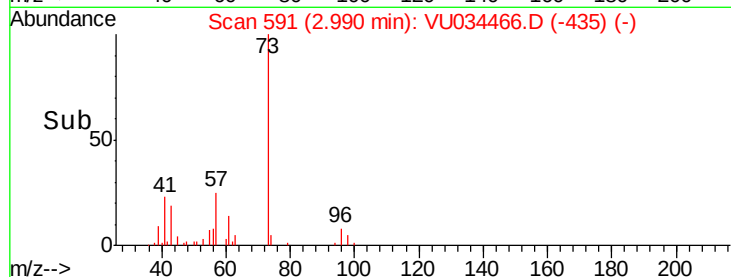
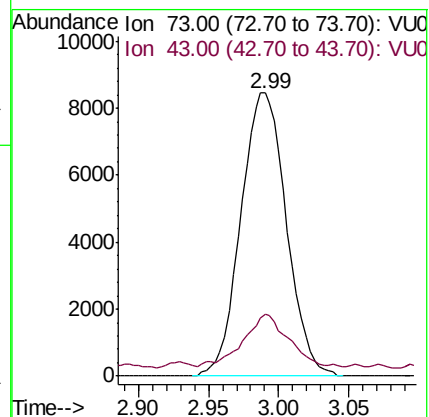
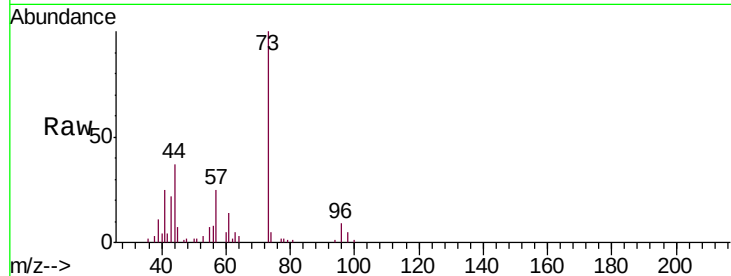
VSTDIC0.5

Tgt Ion: 73 Resp: 19077

Ion Ratio Lower Upper

73 100

43 18.7 14.4 21.6



#26

Bromochloromethane

Concen: 0.535 ug/l

RT: 4.53 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VU034466.D

Acq: 11 Sep 2019 09:46

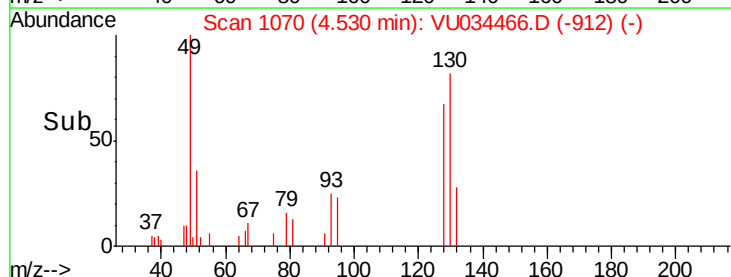
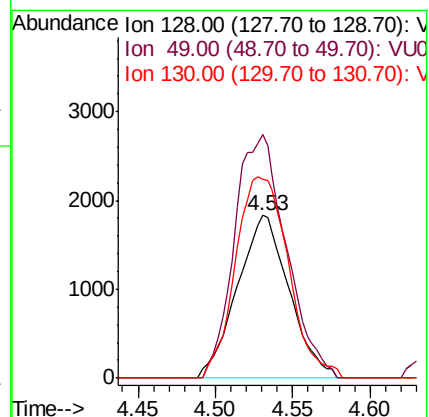
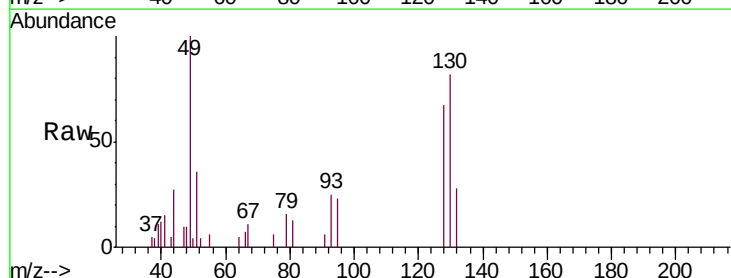
Tgt Ion: 128 Resp: 4257

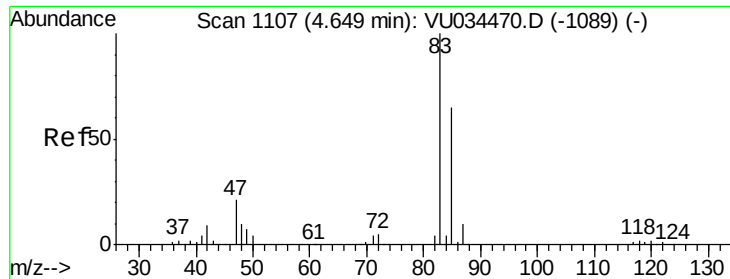
Ion Ratio Lower Upper

128 100

49 149.5 0.0 309.8

130 126.6 105.0 157.6

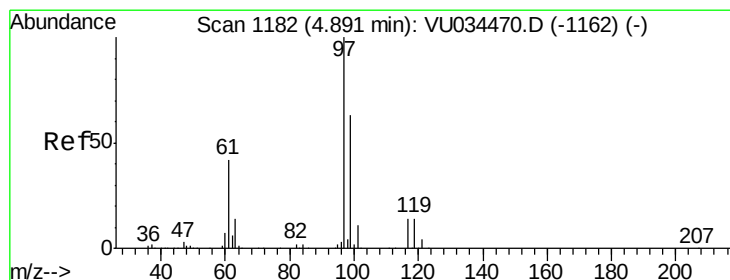
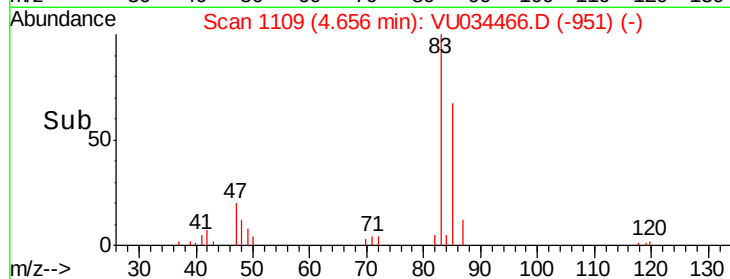
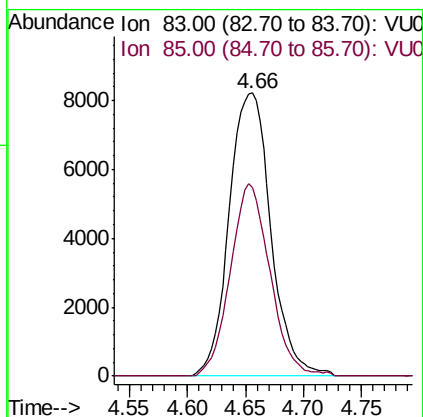
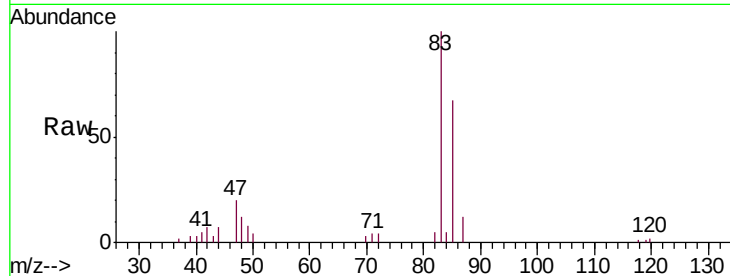




#27
Chloroform
Concen: 0.564 ug/l
RT: 4.66 min Scan# 1109
Delta R.T. 0.01 min
Lab File: VU034466.D
Acq: 11 Sep 2019 09:46

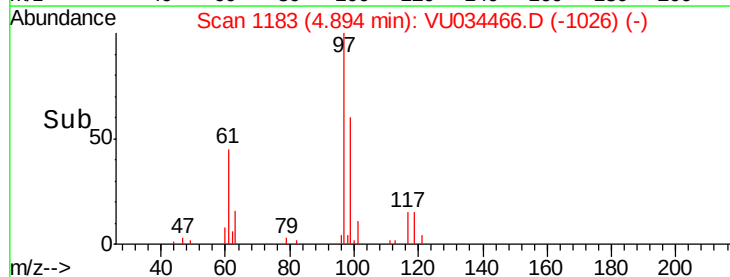
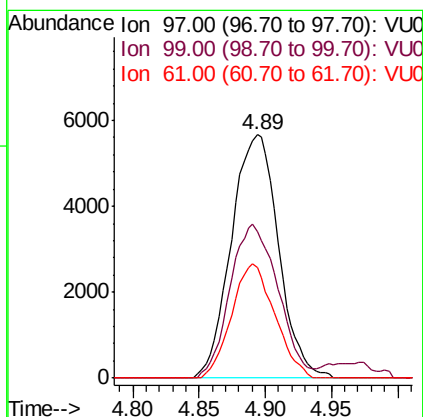
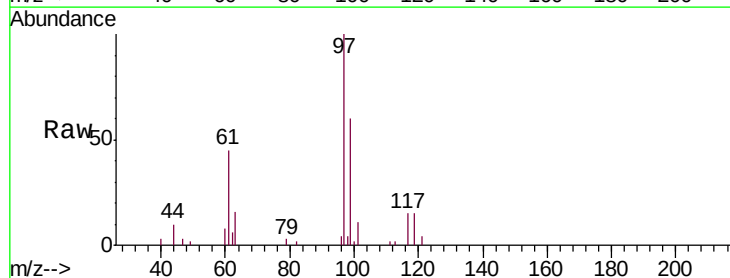
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

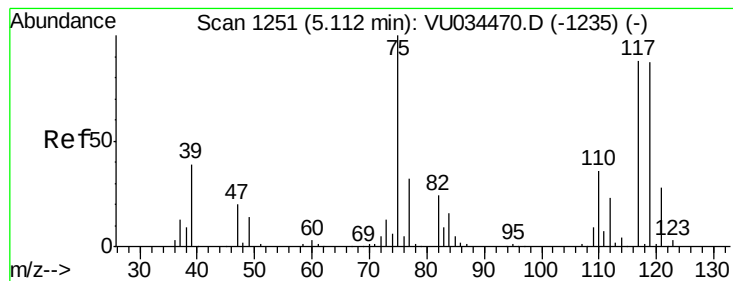
Tgt Ion: 83 Resp: 20571
Ion Ratio Lower Upper
83 100
85 66.6 0.0 130.2



#28
1,1,1-Trichloroethane
Concen: 0.497 ug/l
RT: 4.89 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VU034466.D
Acq: 11 Sep 2019 09:46

Tgt Ion: 97 Resp: 14028
Ion Ratio Lower Upper
97 100
99 64.2 32.0 96.2
61 43.0 21.4 64.3





#29

1,1-Dichloropropene

Concen: 0.491 ug/l

RT: 5.12 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VU034466.D

Acq: 11 Sep 2019 09:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

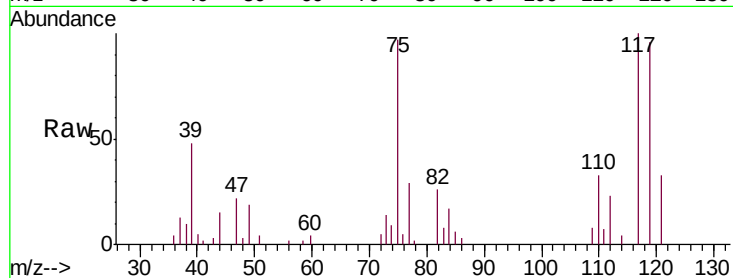
Tgt Ion: 75 Resp: 11492

Ion Ratio Lower Upper

75 100

110 34.4 18.4 55.2

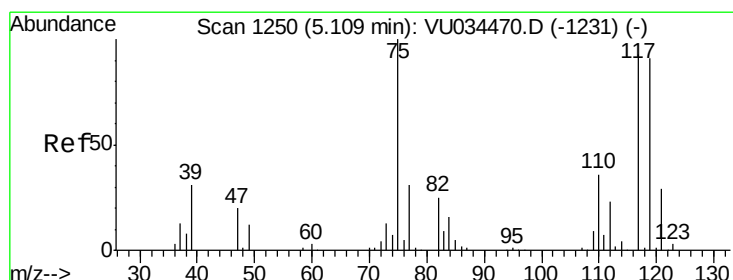
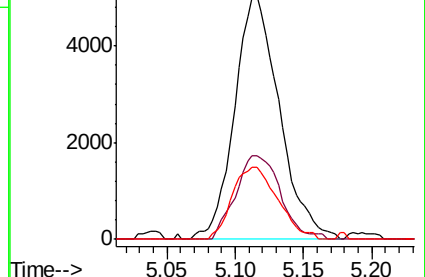
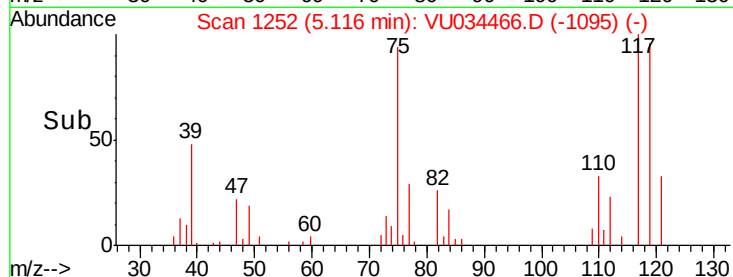
77 30.1 25.0 37.6



Abundance Ion 75.00 (74.70 to 75.70): VU034470.D (-1235) (-)

Ion 110.00 (109.70 to 110.70): VU034470.D (-1235) (-)

Ion 77.00 (76.70 to 77.70): VU034470.D (-1235) (-)



#30

Carbon Tetrachloride

Concen: 0.490 ug/l

RT: 5.12 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VU034466.D

Acq: 11 Sep 2019 09:46

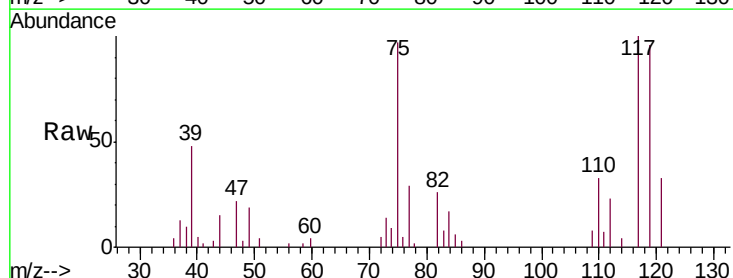
Tgt Ion: 117 Resp: 12216

Ion Ratio Lower Upper

117 100

119 95.6 78.5 117.7

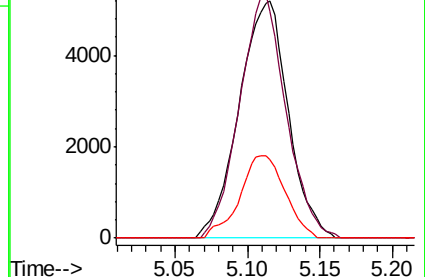
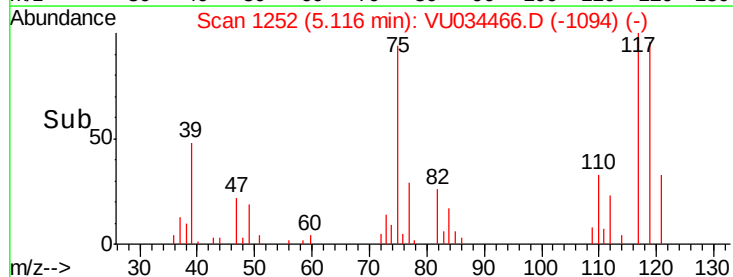
121 33.1 25.3 37.9

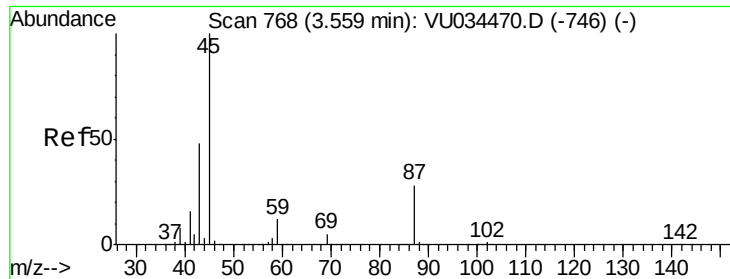


Abundance Ion 117.00 (116.70 to 117.70): VU034470.D (-1231) (-)

Ion 119.00 (118.70 to 119.70): VU034470.D (-1231) (-)

Ion 121.00 (120.70 to 121.70): VU034470.D (-1231) (-)





#31

Isopropyl Ether

Concen: 0.582 ug/l

RT: 3.56 min Scan# 768

Delta R.T. -0.00 min

Lab File: VU034466.D

Acq: 11 Sep 2019 09:46

Instrument :

MSVOA_U

ClientSampleId :

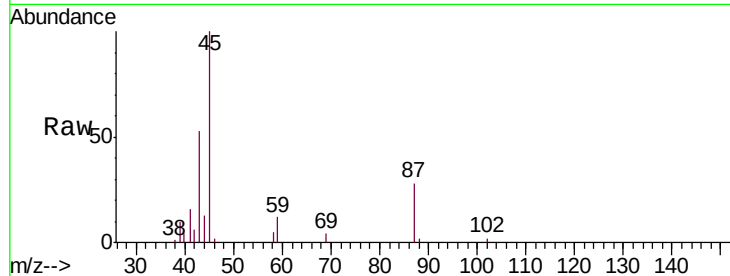
VSTDIC0.5

Tgt Ion: 45 Resp: 24372

Ion Ratio Lower Upper

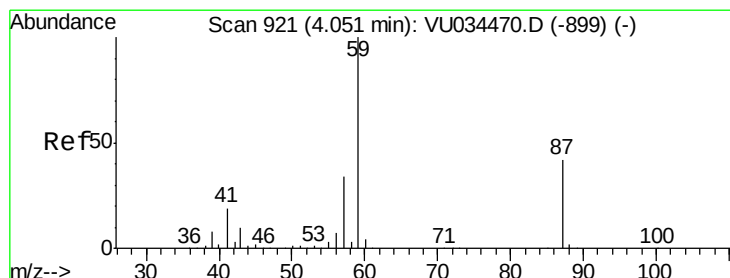
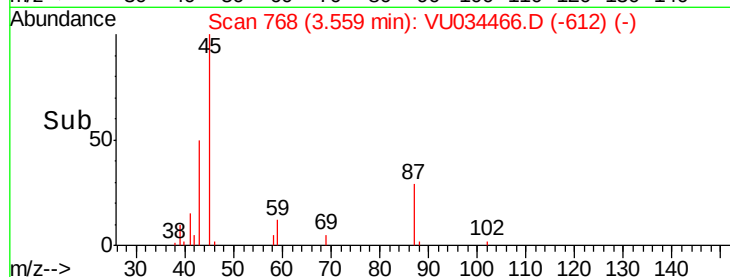
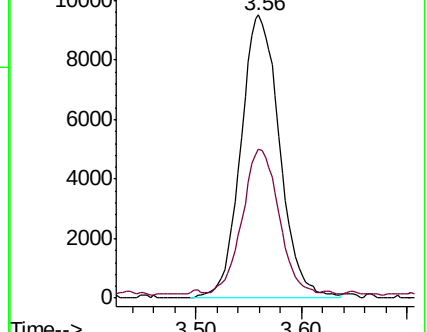
45 100

43 47.3 24.8 74.3



Abundance Ion 45.00 (44.70 to 45.70): VU034470.D (-746) (-)

Ion 43.00 (42.70 to 43.70): VU034470.D (-746) (-)



#32

Ethyl-t-butyl ether

Concen: 0.497 ug/l

RT: 4.05 min Scan# 921

Delta R.T. -0.00 min

Lab File: VU034466.D

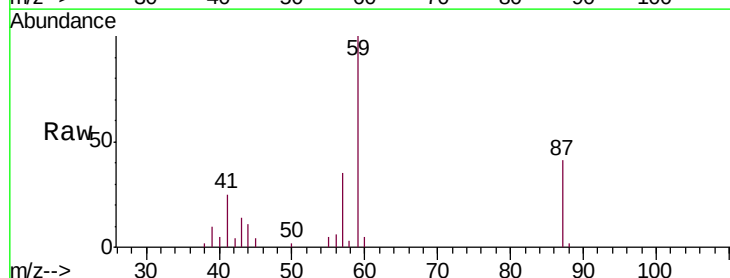
Acq: 11 Sep 2019 09:46

Tgt Ion: 59 Resp: 19582

Ion Ratio Lower Upper

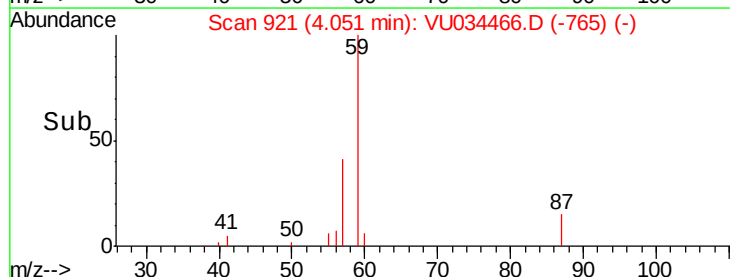
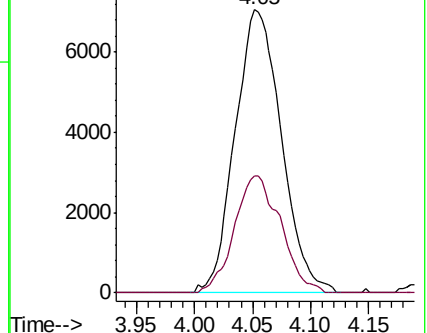
59 100

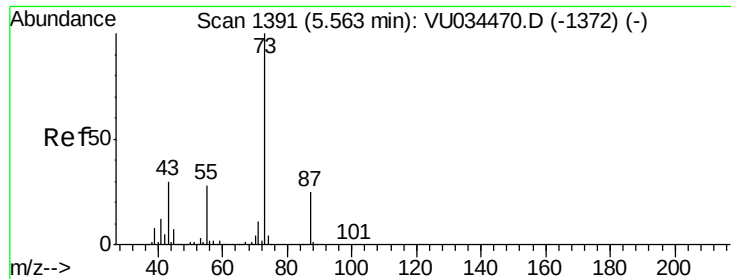
87 41.3 33.6 50.4



Abundance Ion 59.00 (58.70 to 59.70): VU034470.D (-899) (-)

Ion 87.00 (86.70 to 87.70): VU034470.D (-899) (-)

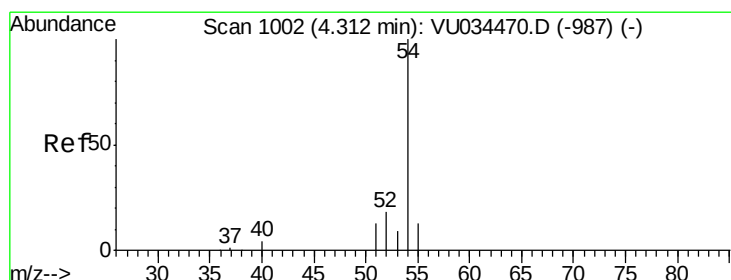
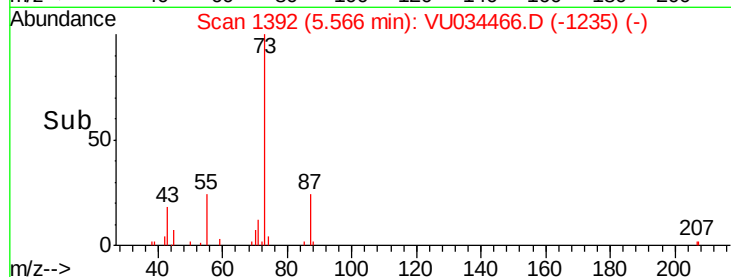
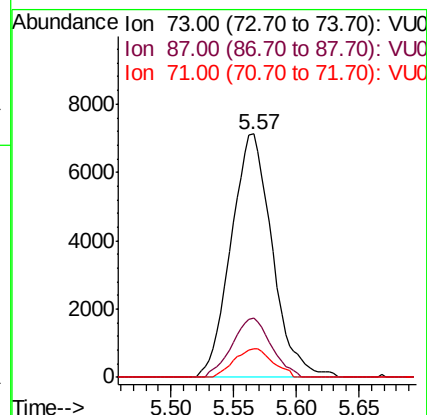
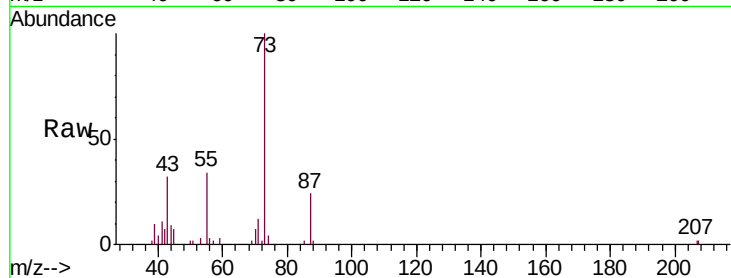




#33
Tert-Amyl methyl ether
Concen: 0.467 ug/l
RT: 5.57 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VU034466.D
Acq: 11 Sep 2019 09:46

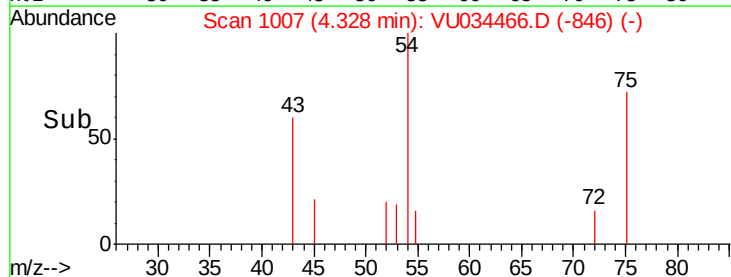
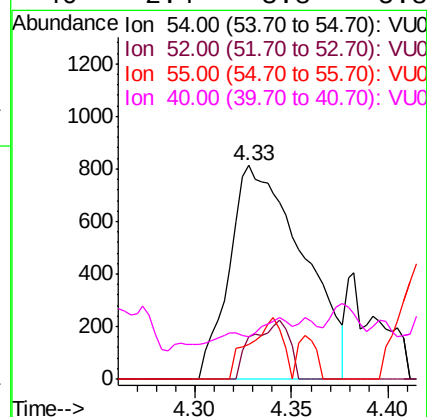
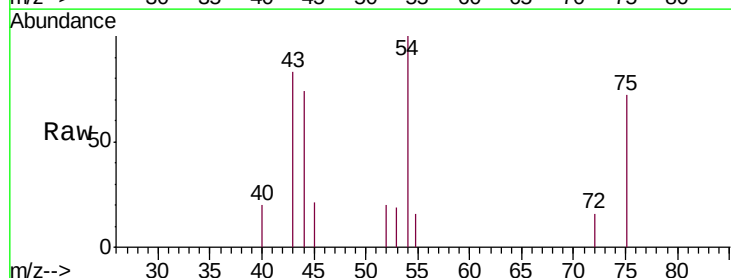
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

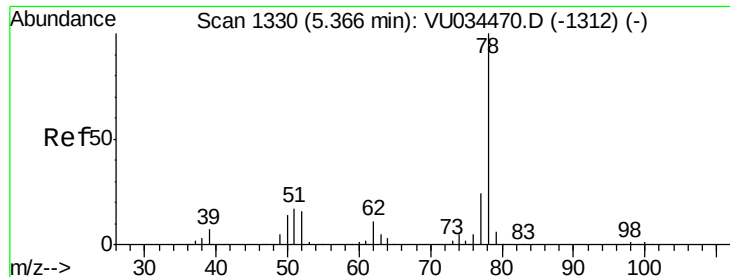
Tgt Ion: 73 Resp: 16212
Ion Ratio Lower Upper
73 100
87 23.2 19.4 29.0
71 11.0 9.3 13.9



#34
Propionitrile
Concen: 1.688 ug/l
RT: 4.33 min Scan# 1007
Delta R.T. 0.02 min
Lab File: VU034466.D
Acq: 11 Sep 2019 09:46

Tgt Ion: 54 Resp: 2143
Ion Ratio Lower Upper
54 100
52 0.0 14.1 21.1#
55 0.0 13.3 19.9#
40 2.4 3.8 5.8#





#35

Benzene

Concen: 0.511 ug/l

RT: 5.37 min Scan# 1331

Delta R.T. 0.00 min

Lab File: VU034466.D

Acq: 11 Sep 2019 09:46

Instrument :

MSVOA_U

ClientSampleId :

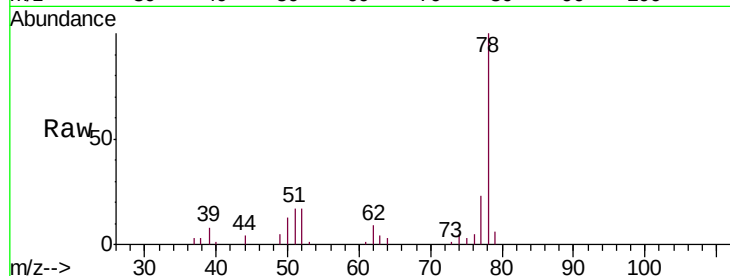
VSTDIC0.5

Tgt Ion: 78 Resp: 34767

Ion Ratio Lower Upper

78 100

77 22.9 19.3 28.9



Abundance Ion 78.10 (77.80 to 78.80): VU034470.D (-1312) (-)

Ion 77.00 (76.70 to 77.70): VU034470.D (-1312) (-)

5.37

15000

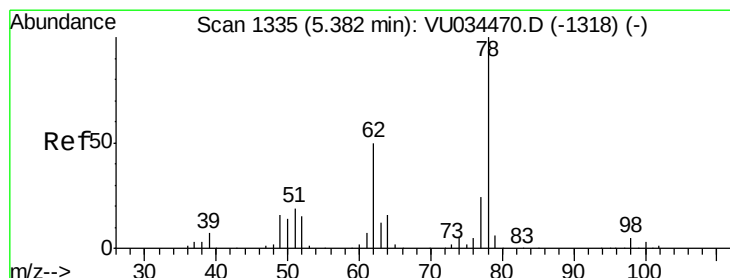
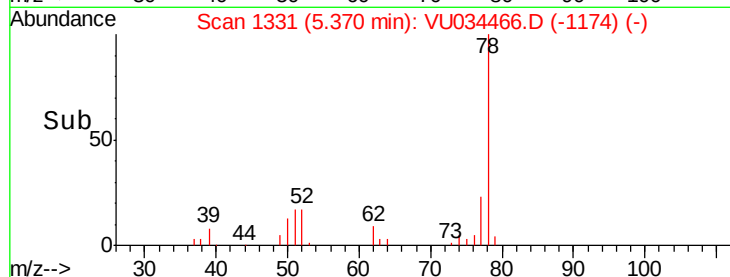
10000

5000

0

Time-->

5.30 5.35 5.40 5.45



#36

1,2-Dichloroethane

Concen: 0.415 ug/l

RT: 5.39 min Scan# 1337

Delta R.T. 0.01 min

Lab File: VU034466.D

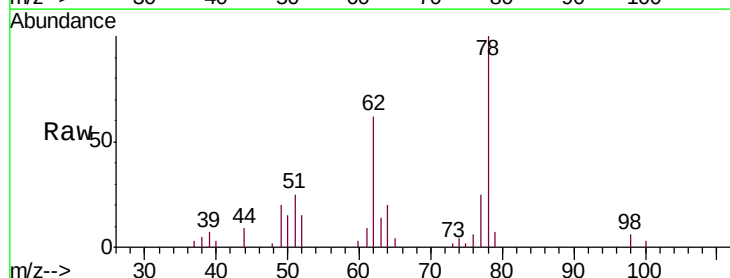
Acq: 11 Sep 2019 09:46

Tgt Ion: 62 Resp: 9056

Ion Ratio Lower Upper

62 100

98 7.9 8.0 12.0#



Abundance Ion 62.00 (61.70 to 62.70): VU034470.D (-1318) (-)

Ion 98.00 (97.70 to 98.70): VU034470.D (-1318) (-)

5.39

4000

3000

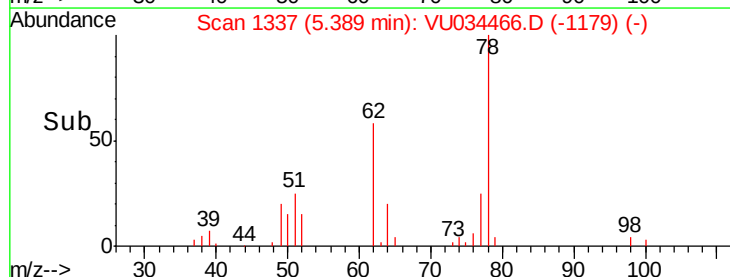
2000

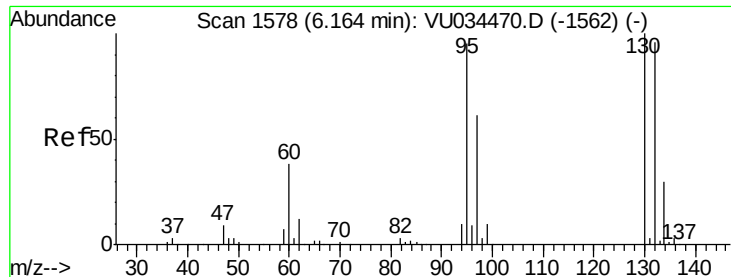
1000

0

Time-->

5.35 5.40 5.45





#37

Trichloroethene

Concen: 0.555 ug/l

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU034466.D

Acq: 11 Sep 2019 09:46

Instrument :

MSVOA_U

ClientSampleId :

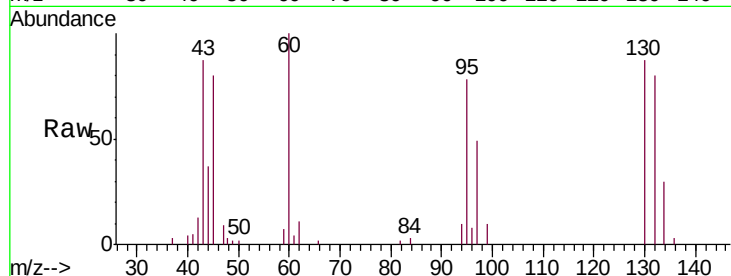
VSTDIC0.5

Tgt Ion:130 Resp: 10084

Ion Ratio Lower Upper

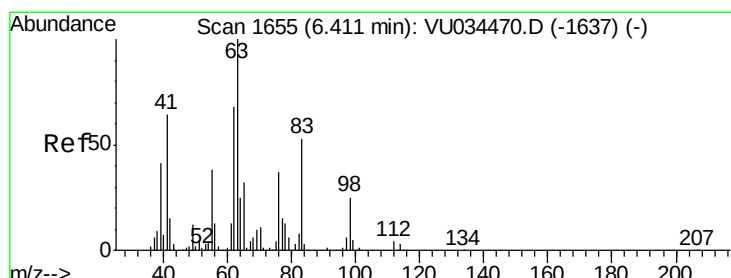
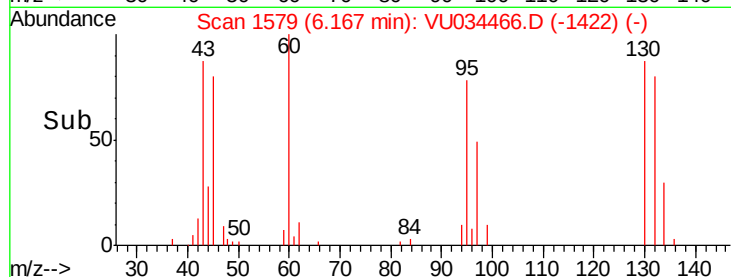
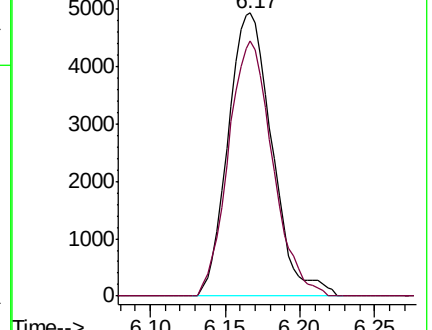
130 100

95 90.2 76.3 114.5



Abundance Ion 129.90 (129.60 to 130.60): VU034466.D (-1422) (-)

Ion 94.90 (94.60 to 95.60): VU034466.D (-1422) (-)



#38

1,2-Dichloropropane

Concen: 0.494 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VU034466.D

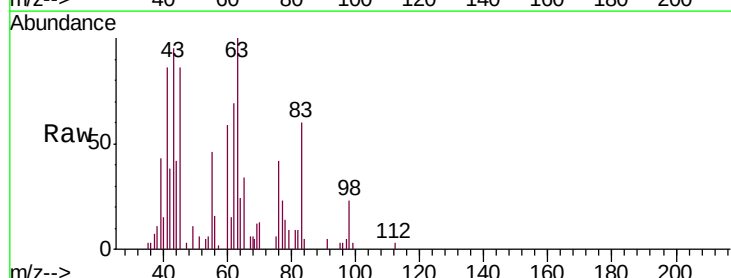
Acq: 11 Sep 2019 09:46

Tgt Ion: 63 Resp: 9214

Ion Ratio Lower Upper

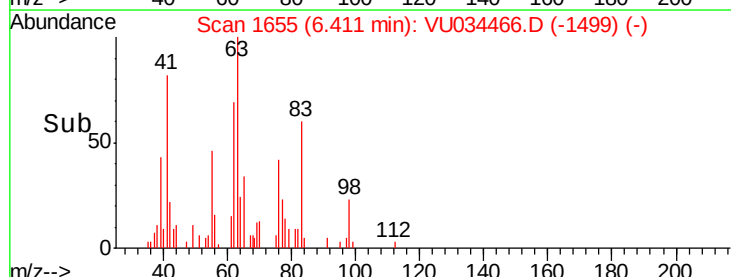
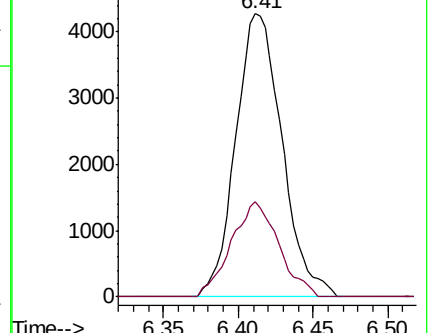
63 100

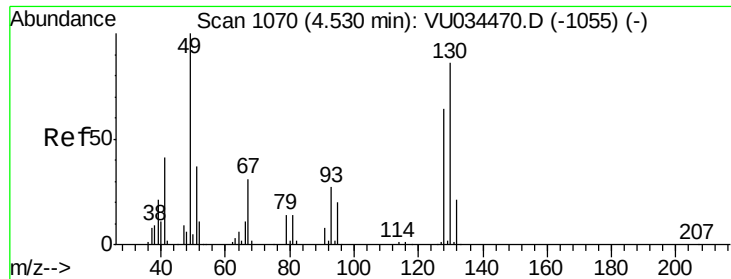
65 33.7 25.4 38.2



Abundance Ion 63.00 (62.70 to 63.70): VU034466.D (-1499) (-)

Ion 65.00 (64.70 to 65.70): VU034466.D (-1499) (-)

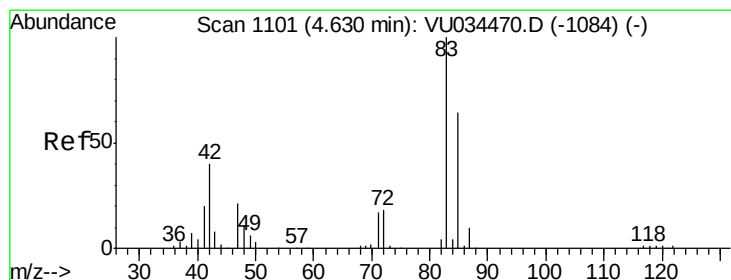
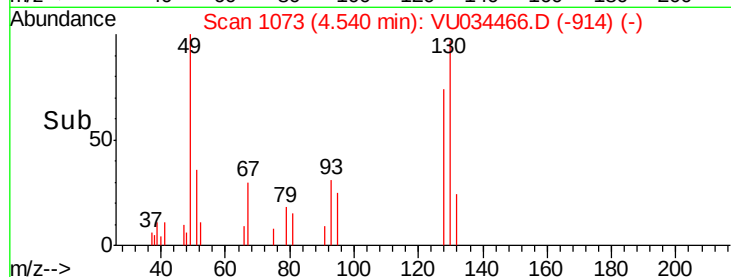
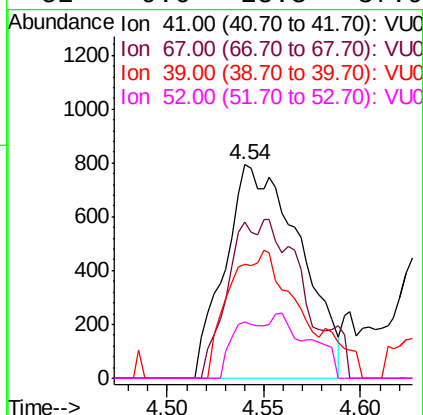
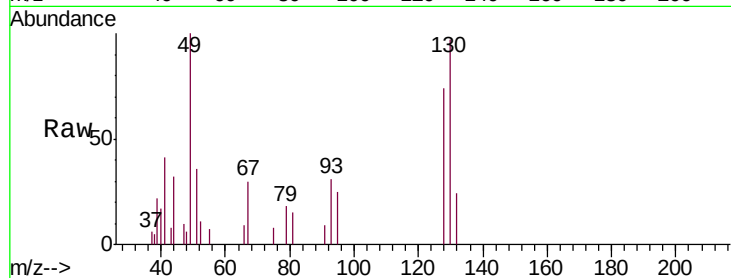




#39
Methacrylonitrile
Concen: 0.420 ug/l
RT: 4.54 min Scan# 1073
Delta R.T. 0.01 min
Lab File: VU034466.D
Acq: 11 Sep 2019 09:46

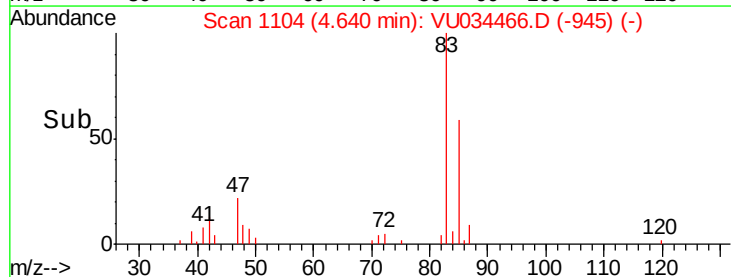
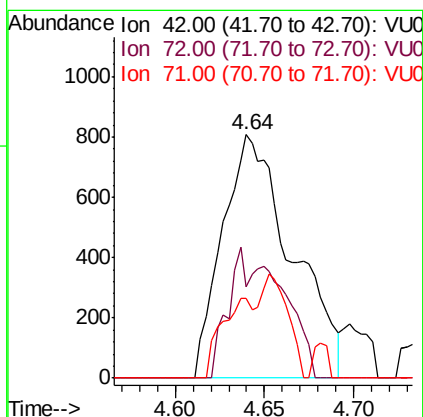
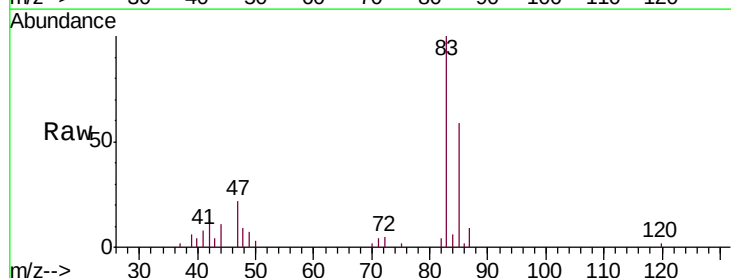
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

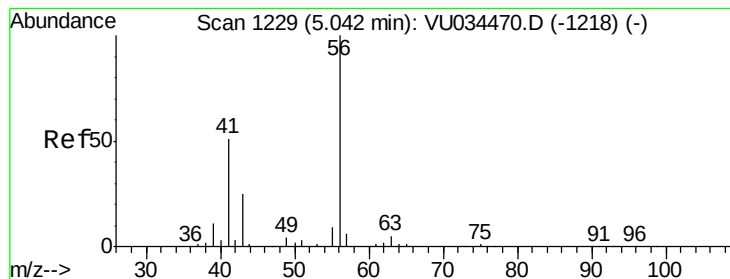
Tgt Ion:	41	Resp:	2143
Ion	Ratio	Lower	Upper
41	100		
67	30.6	62.6	94.0#
39	52.0	41.6	62.4
52	9.6	25.3	37.9#



#41
Tetrahydrofuran
Concen: 0.859 ug/l
RT: 4.64 min Scan# 1104
Delta R.T. 0.01 min
Lab File: VU034466.D
Acq: 11 Sep 2019 09:46

Tgt Ion:	42	Resp:	2188
Ion	Ratio	Lower	Upper
42	100		
72	14.7	39.6	59.4#
71	14.6	33.6	50.4#





#42

1-Chlorobutane

Concen: 0.457 ug/l

RT: 5.04 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VU034466.D

Acq: 11 Sep 2019 09:46

Instrument :

MSVOA_U

ClientSampleId :

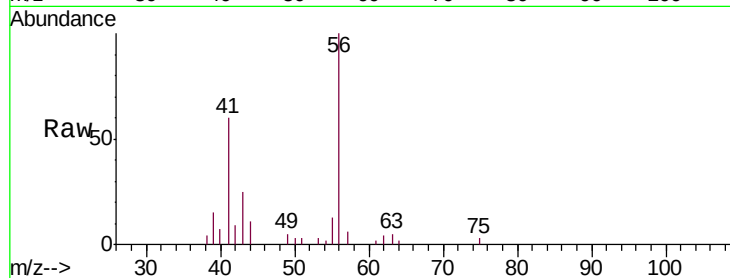
VSTDIC0.5

Tgt Ion: 56 Resp: 14463

Ion Ratio Lower Upper

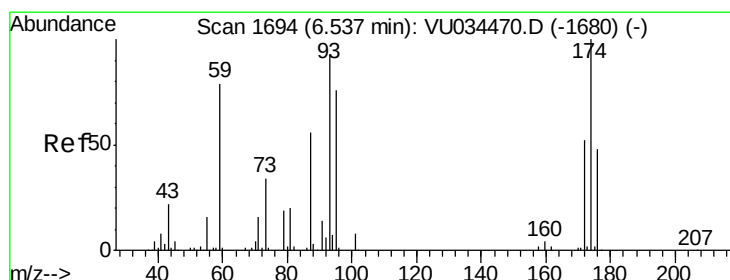
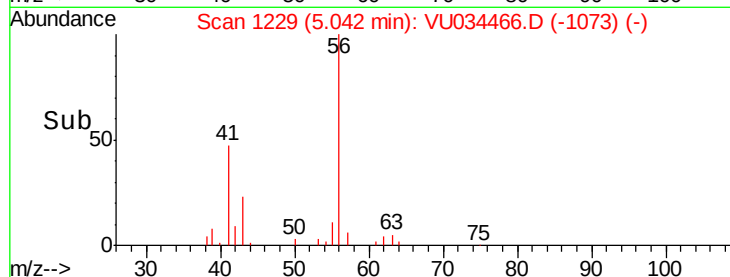
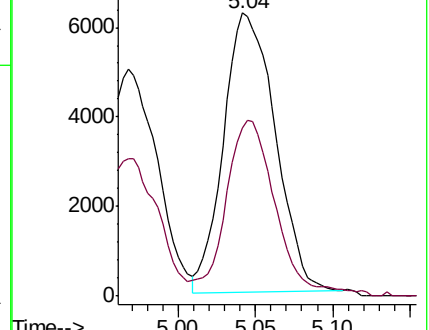
56 100

41 60.6 25.5 76.5



Abundance Ion 56.00 (55.70 to 56.70): VU034470.D (-1218) (-)

Ion 41.00 (40.70 to 41.70): VU034470.D (-1218) (-)



#43

Dibromomethane

Concen: 0.470 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU034466.D

Acq: 11 Sep 2019 09:46

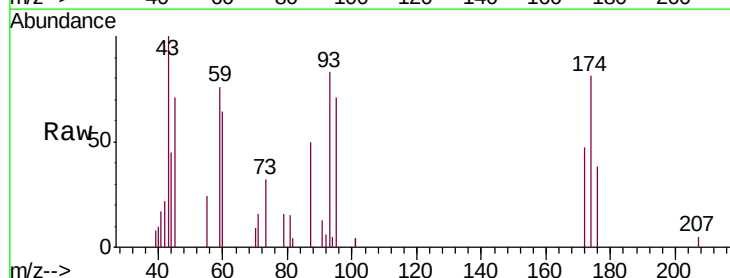
Tgt Ion: 93 Resp: 4710

Ion Ratio Lower Upper

93 100

95 80.3 67.1 100.7

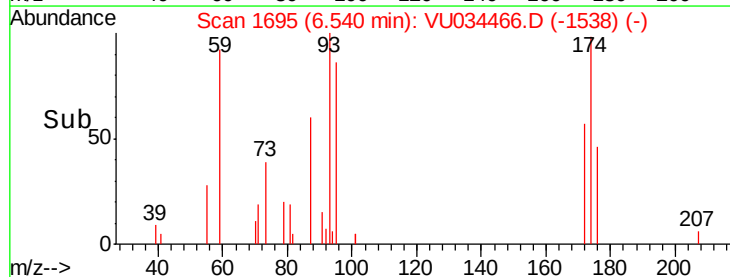
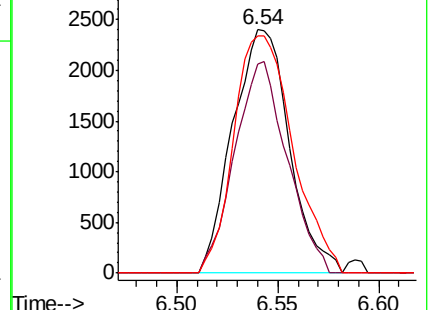
174 102.1 88.7 133.1

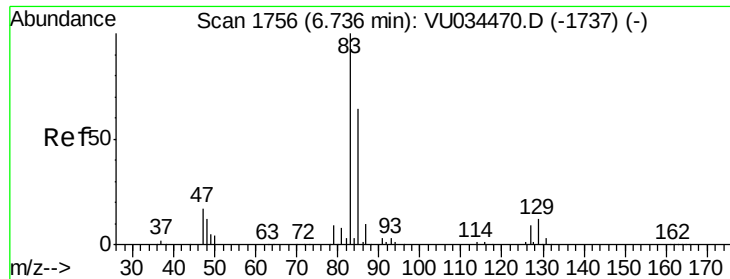


Abundance Ion 93.00 (92.70 to 93.70): VU034470.D (-1680) (-)

Ion 95.00 (94.70 to 95.70): VU034470.D (-1680) (-)

Ion 174.00 (173.70 to 174.70): VU034470.D (-1680) (-)





#44

Bromodichloromethane

Concen: 0.475 ug/l

RT: 6.74 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VU034466.D

Acq: 11 Sep 2019 09:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

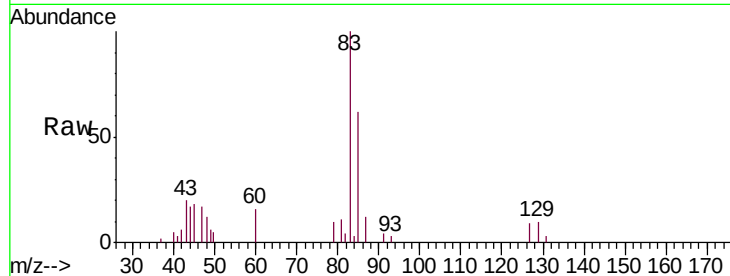
Tgt Ion: 83 Resp: 11671

Ion Ratio Lower Upper

83 100

85 61.6 51.1 76.7

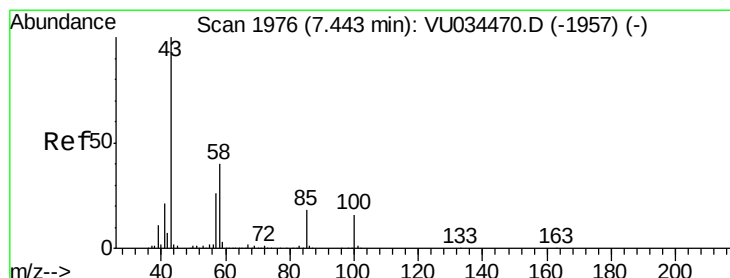
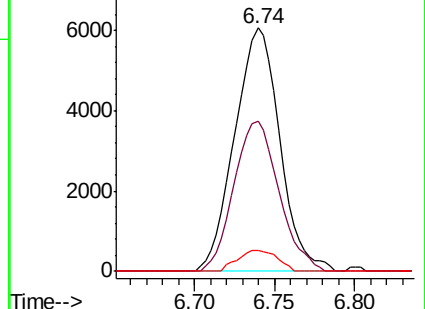
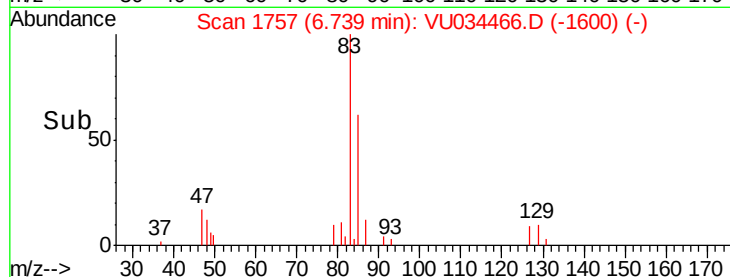
127 8.7 7.1 10.7



Abundance Ion 83.00 (82.70 to 83.70): VU034466.D (-1600) (-)

Ion 85.00 (84.70 to 85.70): VU034466.D (-1600) (-)

Ion 127.00 (126.70 to 127.70): VU034466.D (-1600) (-)



#45

4-Methyl-2-Pentanone

Concen: 1.964 ug/l

RT: 7.45 min Scan# 1978

Delta R.T. 0.01 min

Lab File: VU034466.D

Acq: 11 Sep 2019 09:46

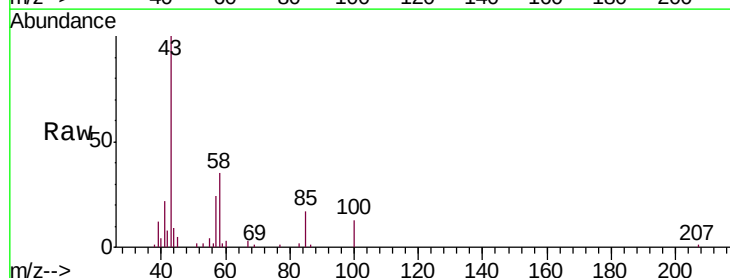
Tgt Ion: 43 Resp: 20011

Ion Ratio Lower Upper

43 100

58 40.6 20.2 60.6

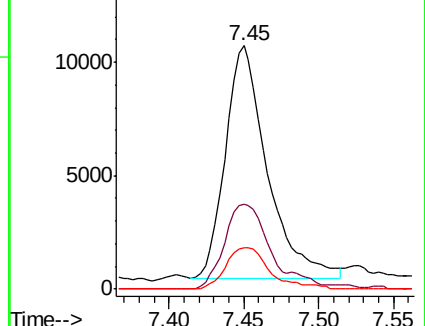
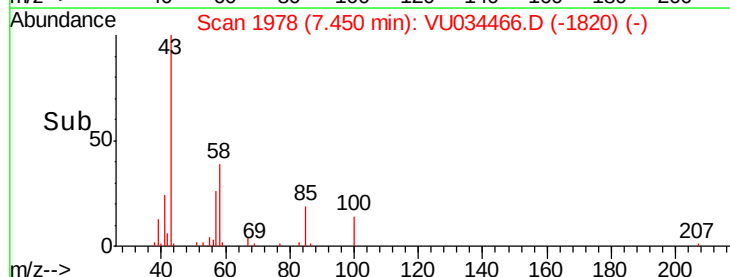
85 18.7 14.6 21.8

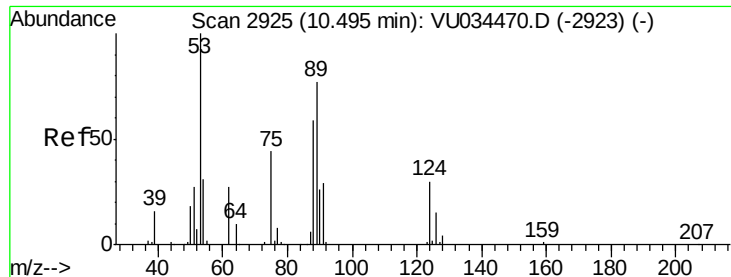


Abundance Ion 43.00 (42.70 to 43.70): VU034466.D (-1820) (-)

Ion 58.00 (57.70 to 58.70): VU034466.D (-1820) (-)

Ion 85.00 (84.70 to 85.70): VU034466.D (-1820) (-)

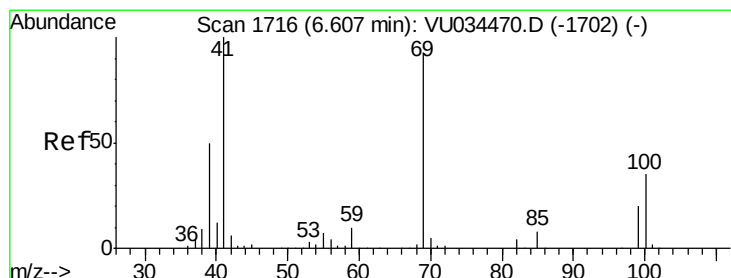
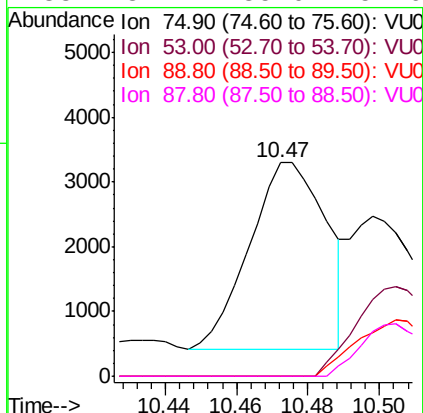
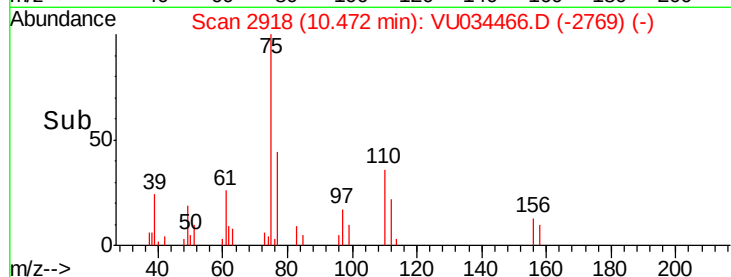
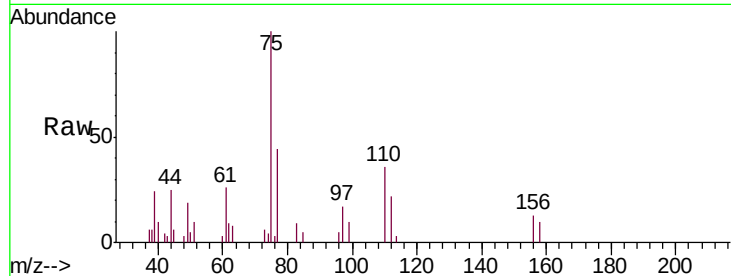




#46
t-1,4-Dichloro-2-butene
Concen: 1.060 ug/l
RT: 10.47 min Scan# 2918
Delta R.T. -0.02 min
Lab File: VU034466.D
Acq: 11 Sep 2019 09:46

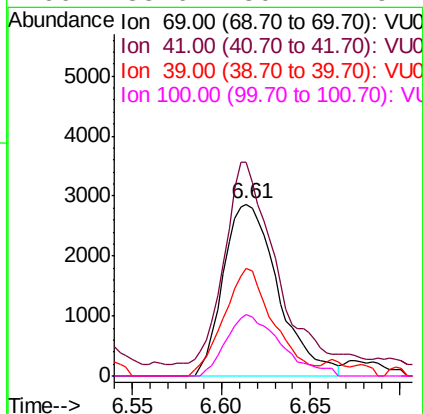
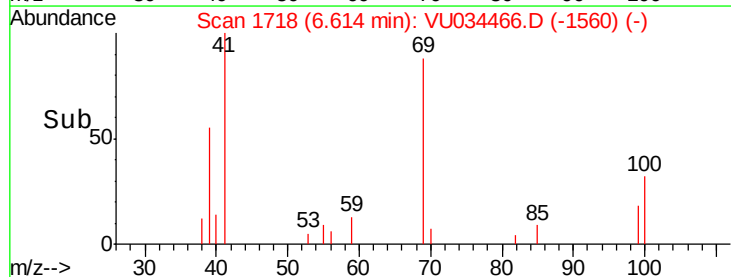
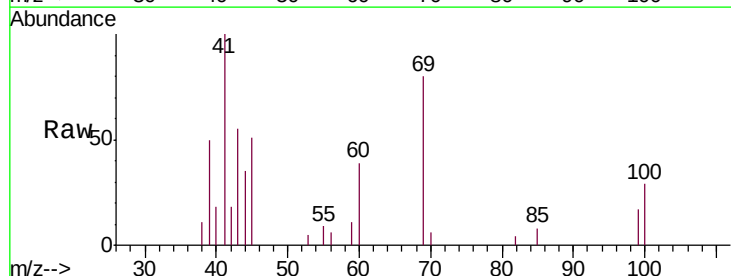
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

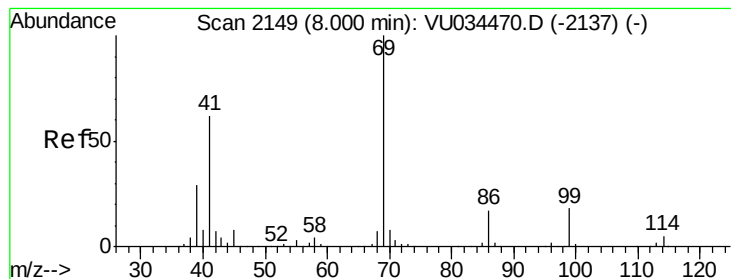
Tgt Ion: 75 Resp: 4277
Ion Ratio Lower Upper
75 100
53 58.0 63.3 94.9#
89 36.3 46.2 69.2#
88 32.2 35.0 52.6#



#47
Methyl methacrylate
Concen: 0.796 ug/l
RT: 6.61 min Scan# 1718
Delta R.T. 0.01 min
Lab File: VU034466.D
Acq: 11 Sep 2019 09:46

Tgt Ion: 69 Resp: 6108
Ion Ratio Lower Upper
69 100
41 107.3 0.0 212.8
39 56.6 43.0 64.4
100 35.6 30.1 45.1





#48

Ethyl methacrylate

Concen: 0.373 ug/l

RT: 8.01 min Scan# 2152

Delta R.T. 0.01 min

Lab File: VU034466.D

Acq: 11 Sep 2019 09:46

Instrument :

MSVOA_U

ClientSampleId :

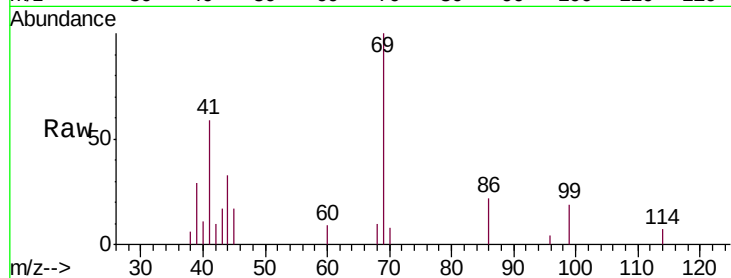
VSTDIC0.5

Tgt Ion: 69 Resp: 5072

Ion Ratio Lower Upper

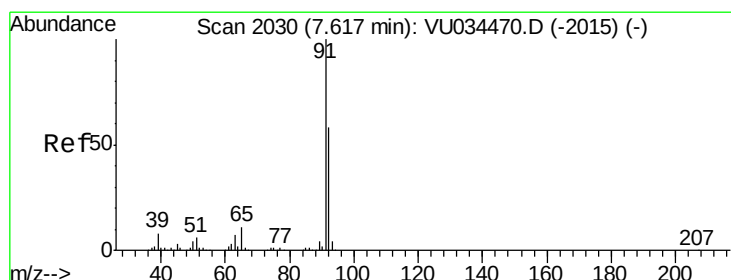
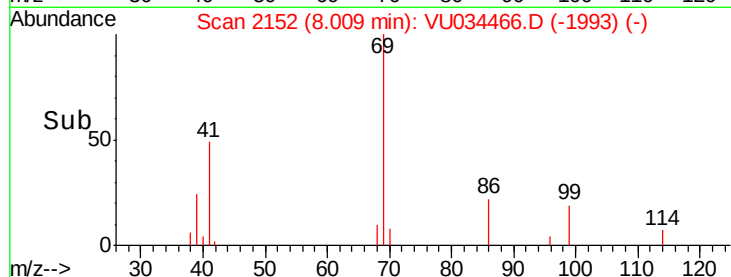
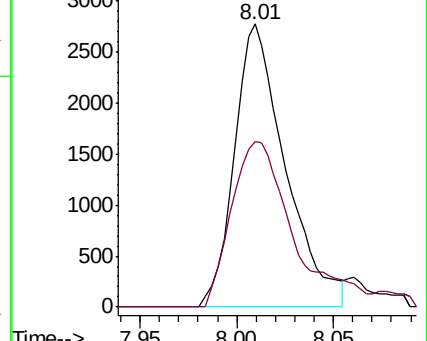
69 100

41 71.4 30.6 91.8



Abundance Ion 69.00 (68.70 to 69.70): VU034470.D (-2137) (-)

Ion 41.00 (40.70 to 41.70): VU034470.D (-2137) (-)



#49

Toluene

Concen: 0.480 ug/l

RT: 7.62 min Scan# 2031

Delta R.T. 0.00 min

Lab File: VU034466.D

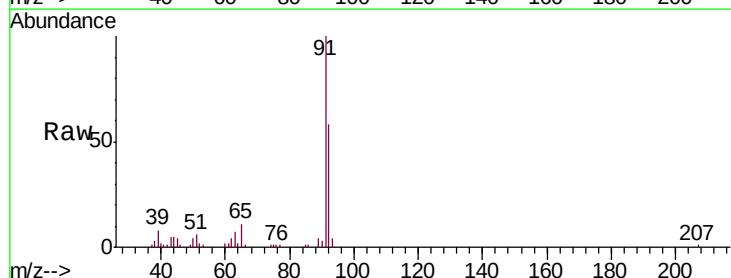
Acq: 11 Sep 2019 09:46

Tgt Ion: 92 Resp: 18705

Ion Ratio Lower Upper

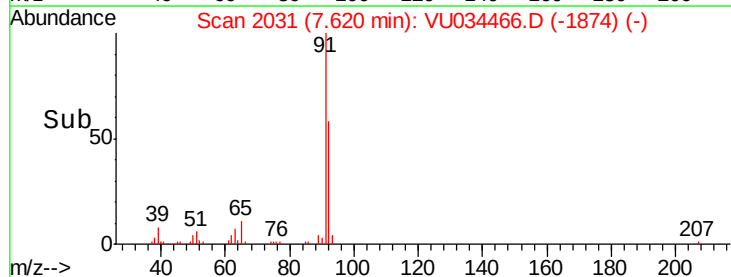
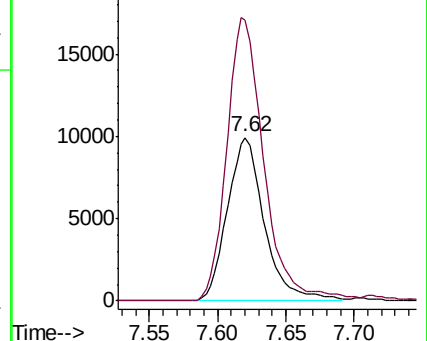
92 100

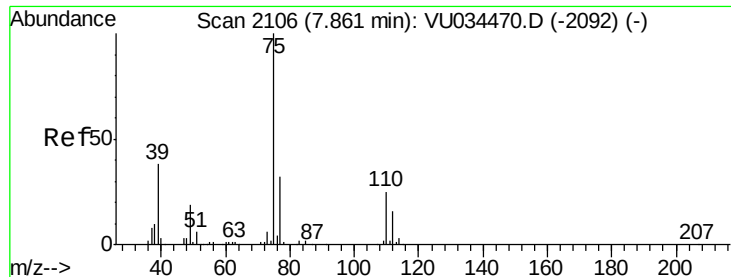
91 173.8 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VU034470.D (-2155) (-)

Ion 91.00 (90.70 to 91.70): VU034470.D (-2155) (-)





#50

t-1,3-Dichloropropene

Concen: 0.454 ug/l

RT: 7.87 min Scan# 2108

Delta R.T. 0.01 min

Lab File: VU034466.D

Acq: 11 Sep 2019 09:46

Instrument :

MSVOA_U

ClientSampleId :

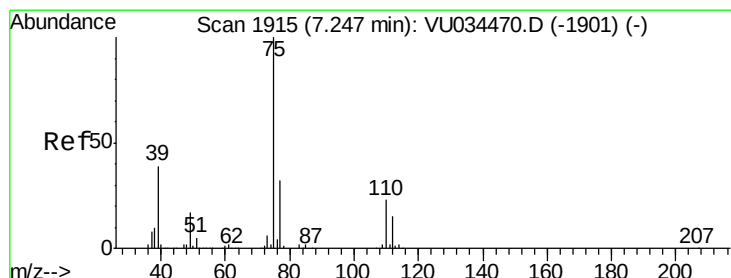
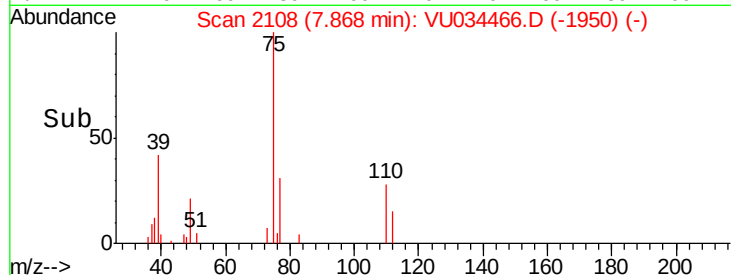
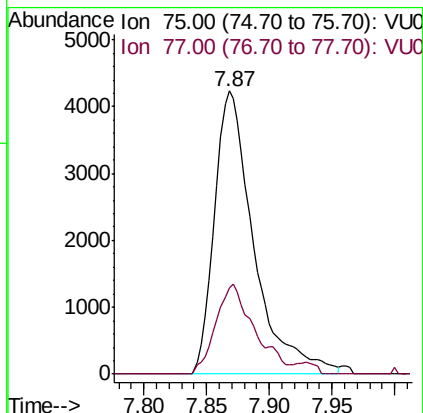
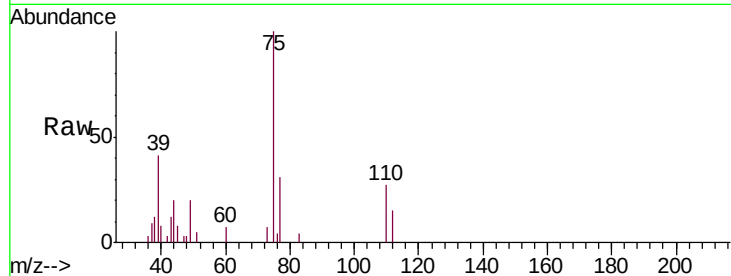
VSTDIC0.5

Tgt Ion: 75 Resp: 9240

Ion Ratio Lower Upper

75 100

77 30.6 25.4 38.0



#51

cis-1,3-Dichloropropene

Concen: 0.468 ug/l

RT: 7.25 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VU034466.D

Acq: 11 Sep 2019 09:46

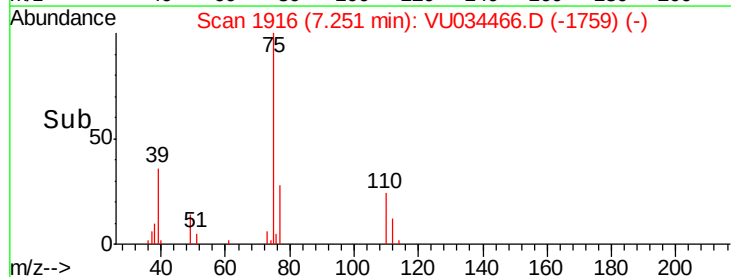
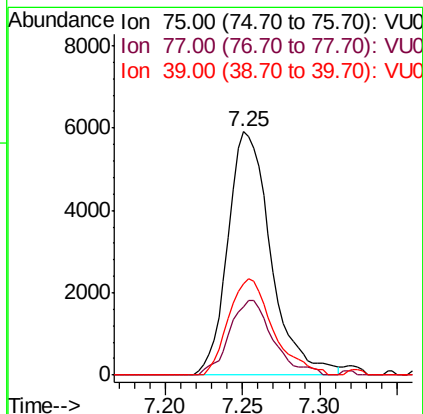
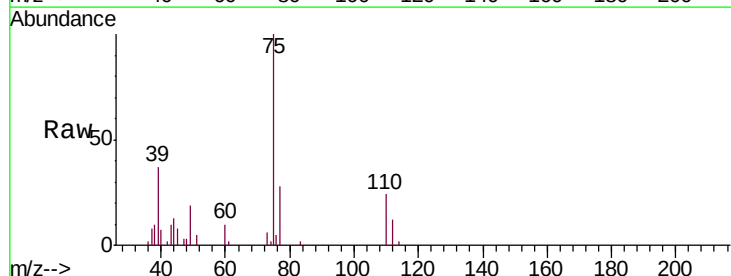
Tgt Ion: 75 Resp: 11421

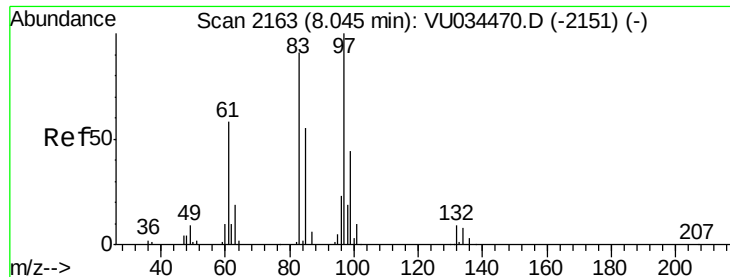
Ion Ratio Lower Upper

75 100

77 28.3 25.3 37.9

39 37.5 31.0 46.4

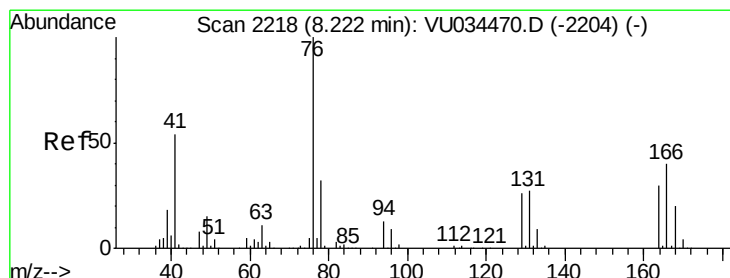
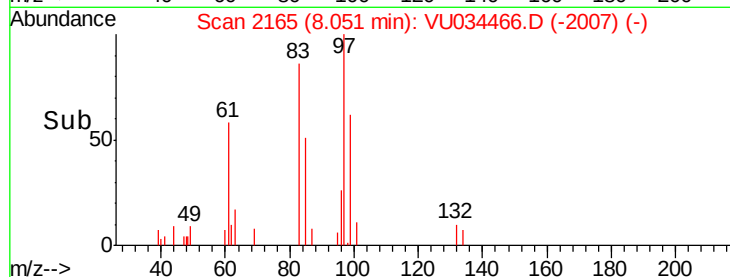
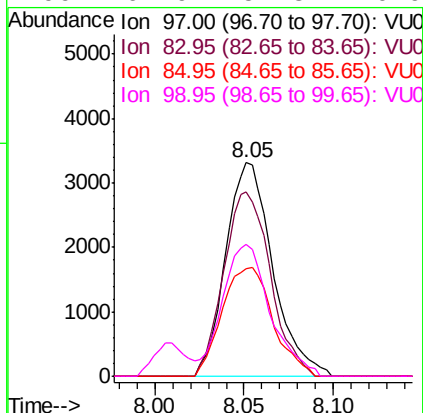
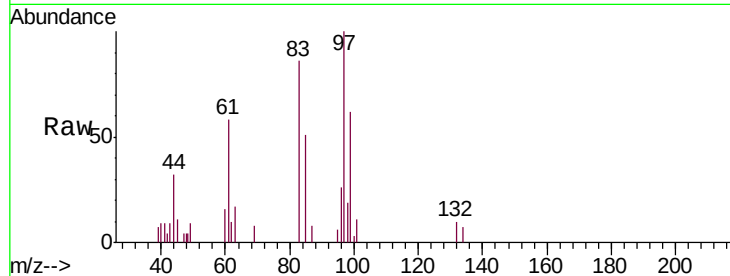




#52
 1,1,2-Trichloroethane
 Concen: 0.453 ug/l
 RT: 8.05 min Scan# 2165
 Delta R.T. 0.01 min
 Lab File: VU034466.D
 Acq: 11 Sep 2019 09:46

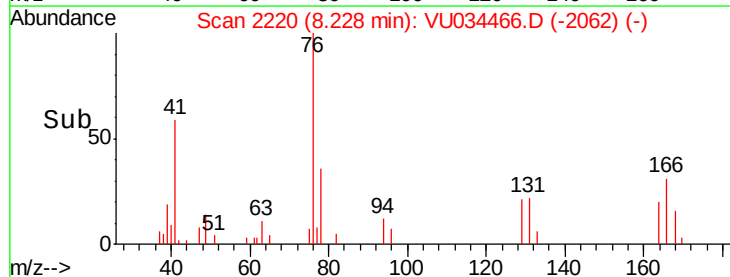
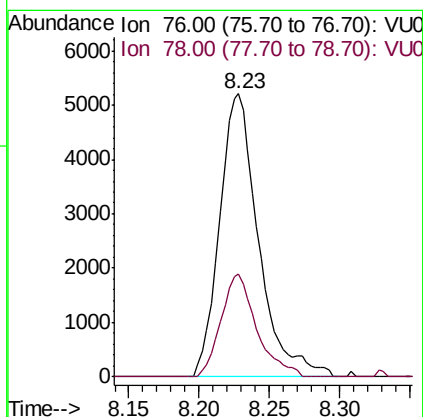
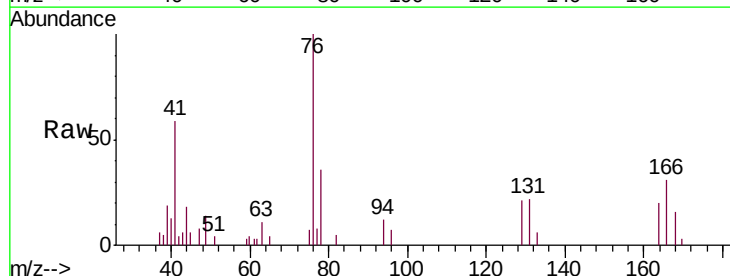
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

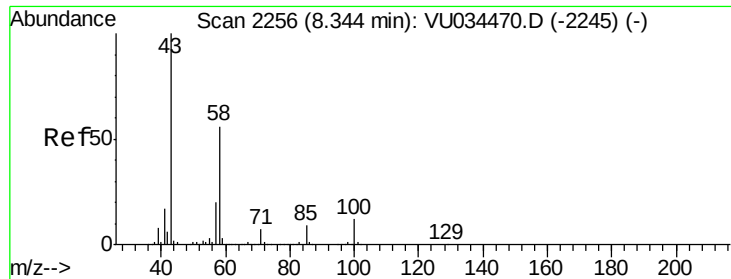
Tgt Ion:	97	Resp:	6103
Ion	Ratio	Lower	Upper
97	100		
83	86.1	72.5	108.7
85	50.6	45.4	68.0
99	61.9	51.3	76.9



#53
 1,3-Dichloropropane
 Concen: 0.438 ug/l
 RT: 8.23 min Scan# 2220
 Delta R.T. 0.01 min
 Lab File: VU034466.D
 Acq: 11 Sep 2019 09:46

Tgt Ion:	76	Resp:	9995
Ion	Ratio	Lower	Upper
76	100		
78	33.3	26.1	39.1

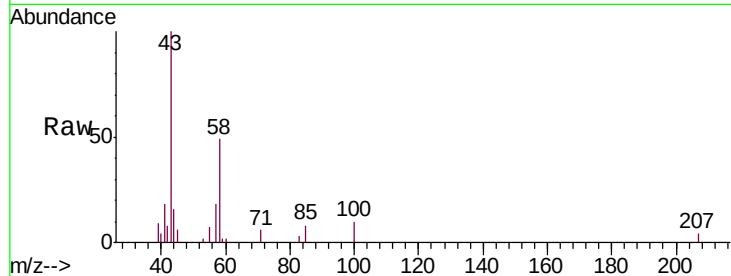




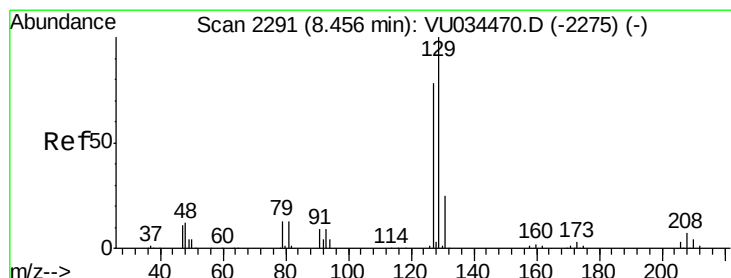
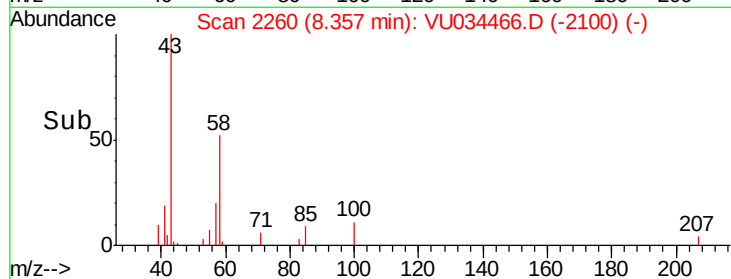
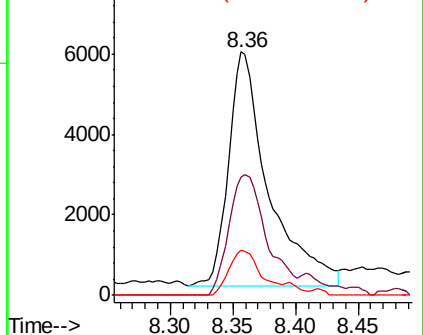
#54
2-Hexanone
Concen: 1.799 ug/l
RT: 8.36 min Scan# 2260
Delta R.T. 0.01 min
Lab File: VU034466.D
Acq: 11 Sep 2019 09:46

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion: 43 Resp: 12858
Ion Ratio Lower Upper
43 100
58 49.2 36.4 76.4
57 15.3 0.0 39.5

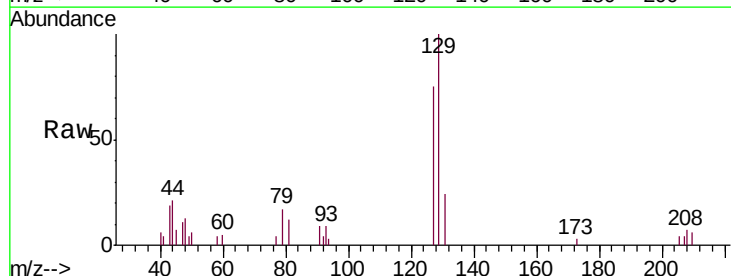


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0

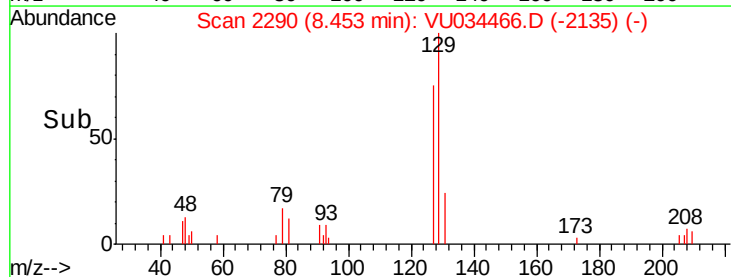
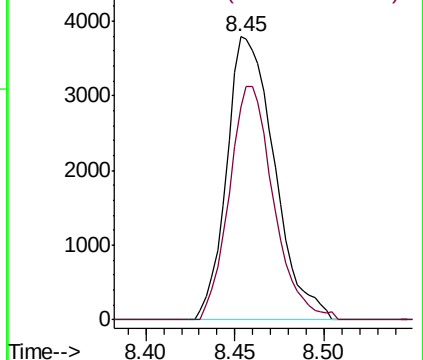


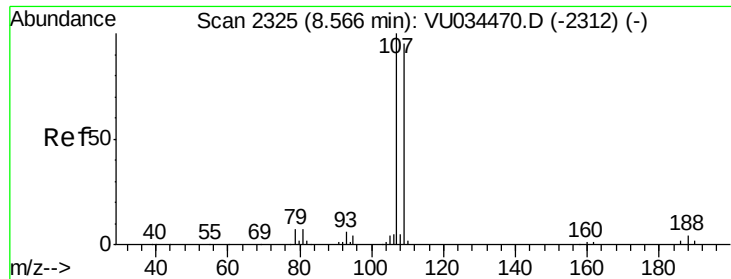
#55
Dibromochloromethane
Concen: 0.445 ug/l
RT: 8.45 min Scan# 2290
Delta R.T. -0.00 min
Lab File: VU034466.D
Acq: 11 Sep 2019 09:46

Tgt Ion: 129 Resp: 7056
Ion Ratio Lower Upper
129 100
127 76.5 60.9 91.3



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

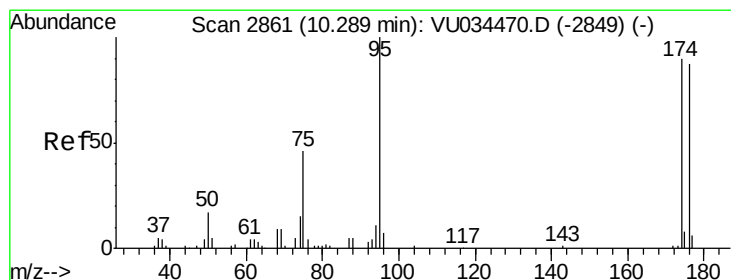
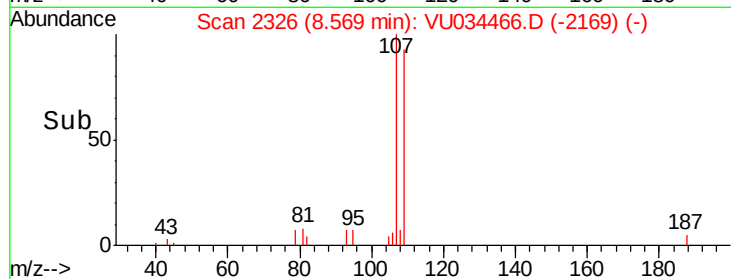
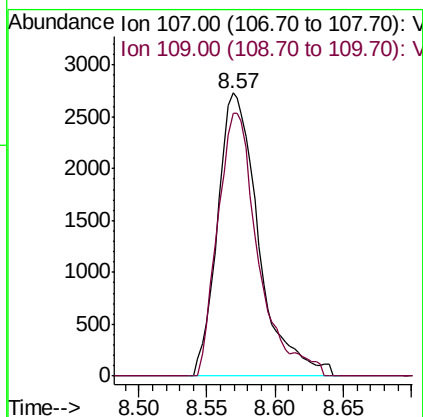
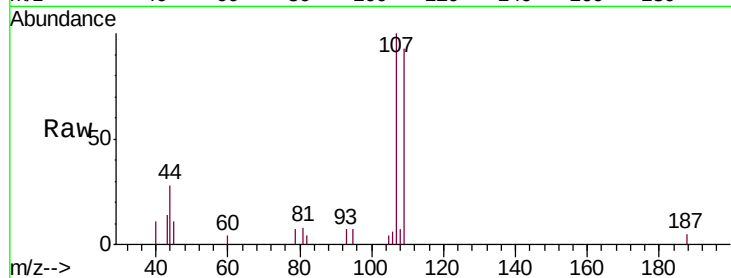




#56
 1,2-Dibromoethane
 Concen: 0.457 ug/l
 RT: 8.57 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU034466.D
 Acq: 11 Sep 2019 09:46

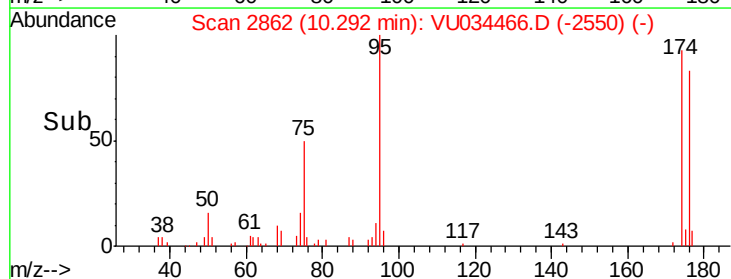
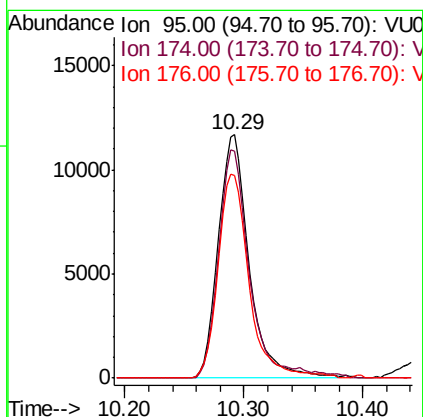
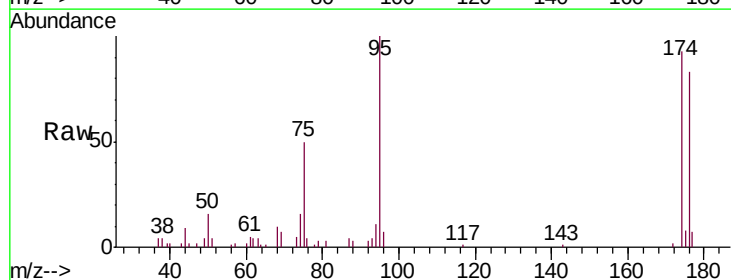
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

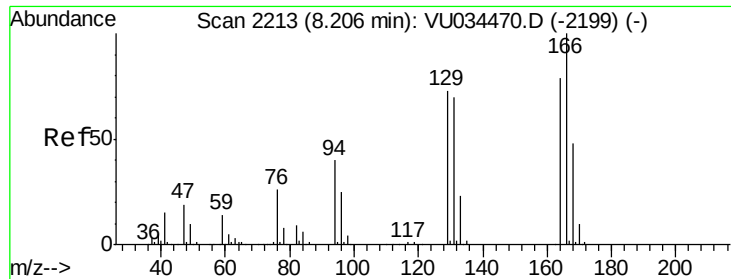
Tgt Ion: 107 Resp: 5722
 Ion Ratio Lower Upper
 107 100
 109 91.5 0.0 190.8



#57
 4-Bromofluorobenzene
 Concen: 0.952 ug/l
 RT: 10.29 min Scan# 2862
 Delta R.T. 0.00 min
 Lab File: VU034466.D
 Acq: 11 Sep 2019 09:46

Tgt Ion: 95 Resp: 20964
 Ion Ratio Lower Upper
 95 100
 174 94.5 70.1 105.1
 176 84.8 67.7 101.5

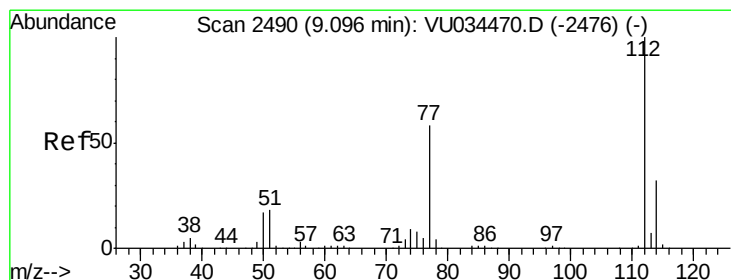
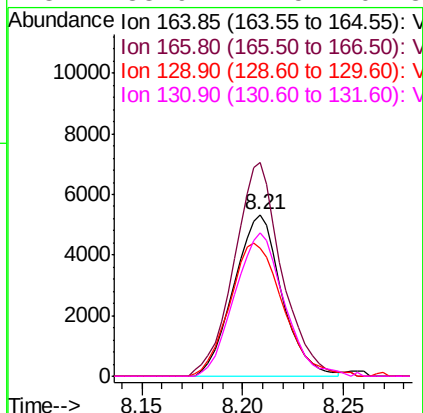
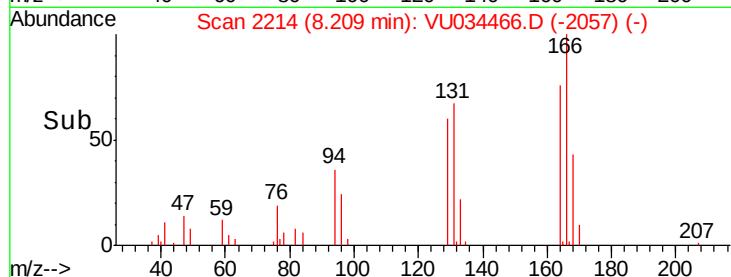
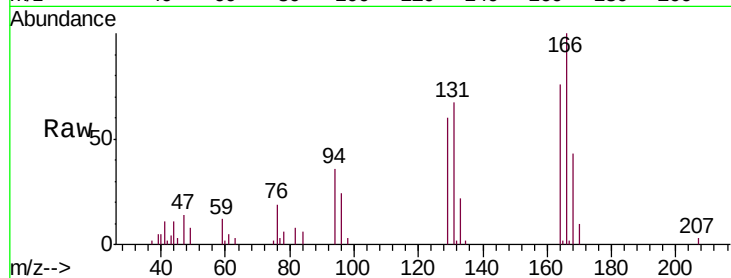




#58
Tetrachloroethene
Concen: 0.535 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU034466.D
Acq: 11 Sep 2019 09:46

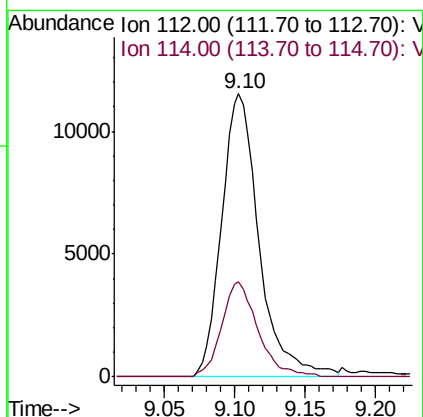
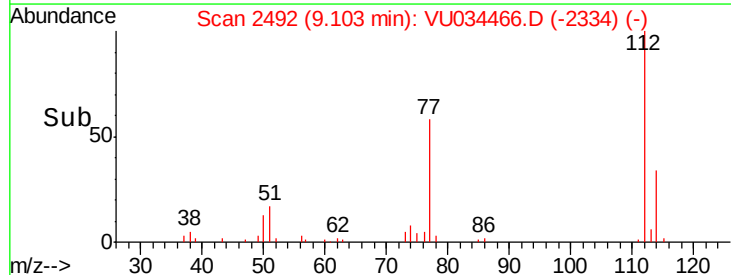
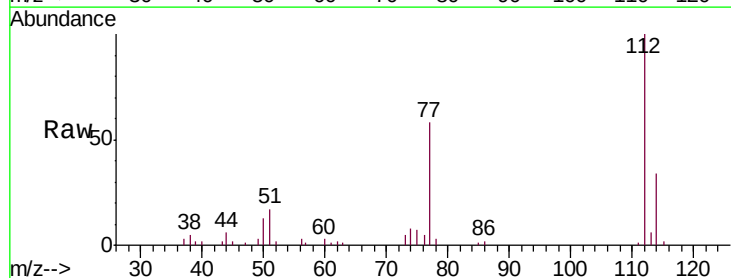
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

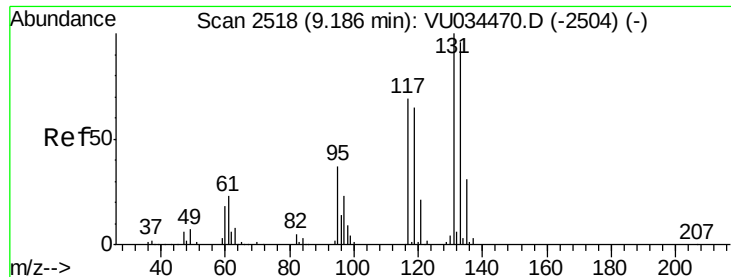
Tgt Ion:164 Resp: 8854
Ion Ratio Lower Upper
164 100
166 132.2 101.5 152.3
129 79.3 73.8 110.8
131 88.9 71.5 107.3



#59
Chlorobenzene
Concen: 0.479 ug/l
RT: 9.10 min Scan# 2492
Delta R.T. 0.01 min
Lab File: VU034466.D
Acq: 11 Sep 2019 09:46

Tgt Ion:112 Resp: 21363
Ion Ratio Lower Upper
112 100
114 33.6 25.6 38.4

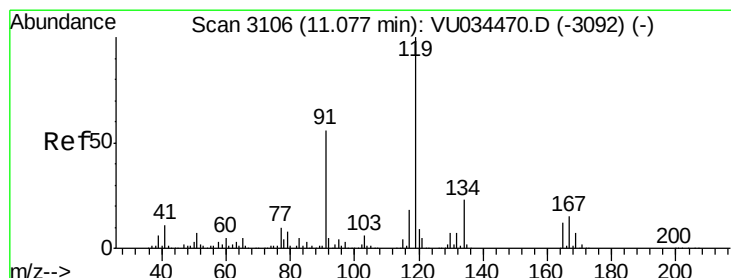
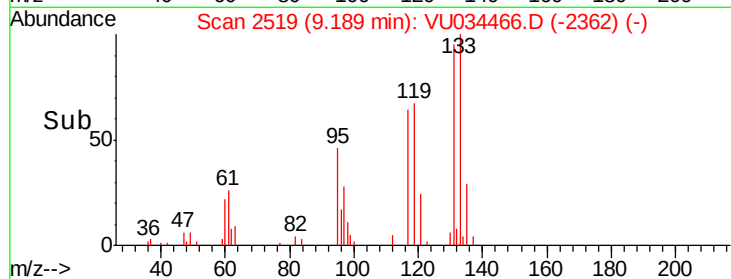
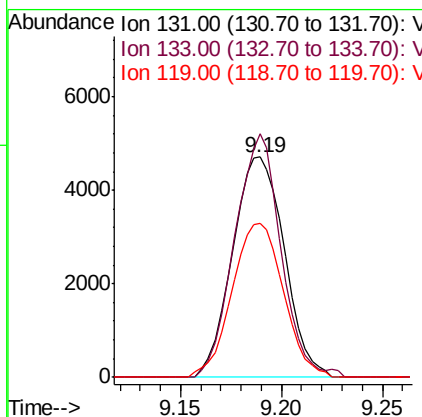
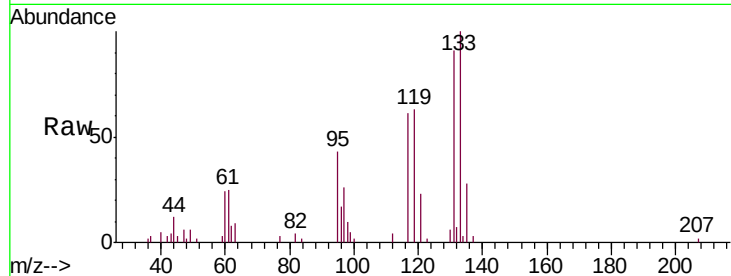




#60
 1,1,1,2-Tetrachloroethane
 Concen: 0.501 ug/l
 RT: 9.19 min Scan# 2519
 Delta R.T. 0.00 min
 Lab File: VU034466.D
 Acq: 11 Sep 2019 09:46

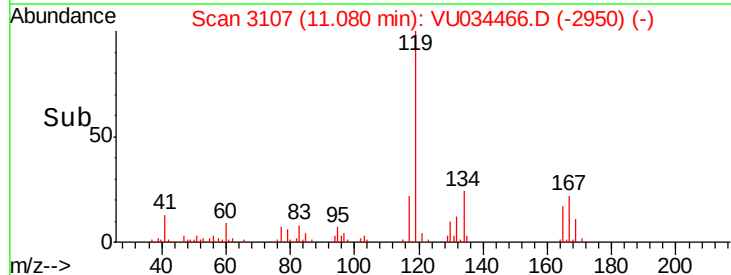
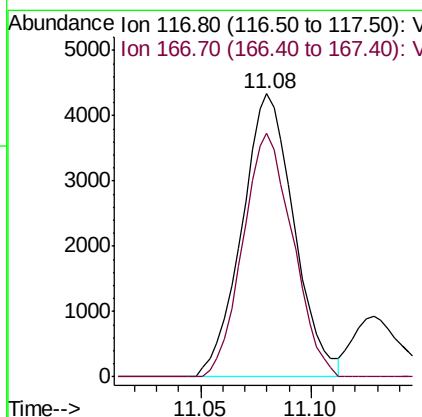
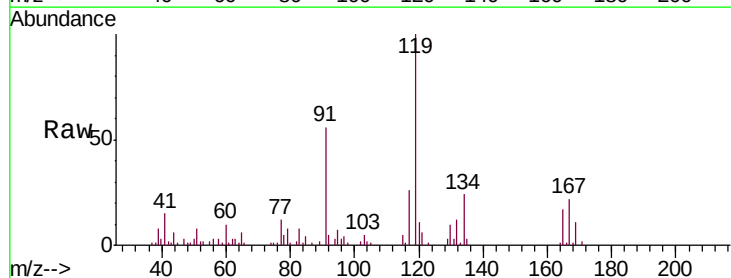
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

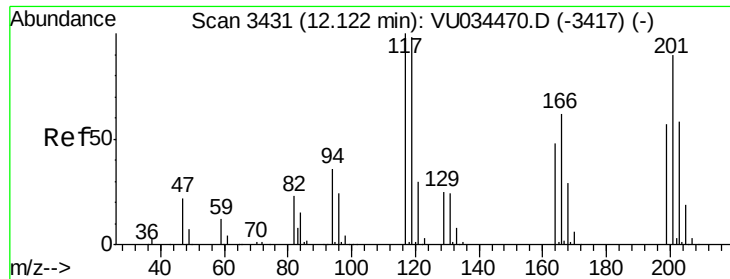
Tgt Ion:131 Resp: 8463
 Ion Ratio Lower Upper
 131 100
 133 98.8 76.8 115.2
 119 69.5 52.4 78.6



#61
 Pentachloroethane
 Concen: 0.515 ug/l
 RT: 11.08 min Scan# 3107
 Delta R.T. 0.00 min
 Lab File: VU034466.D
 Acq: 11 Sep 2019 09:46

Tgt Ion:117 Resp: 7110
 Ion Ratio Lower Upper
 117 100
 167 82.1 70.7 106.1





#62

Hexachloroethane

Concen: 0.462 ug/l

RT: 12.12 min Scan# 3431

Delta R.T. -0.00 min

Lab File: VU034466.D

Acq: 11 Sep 2019 09:46

Instrument :

MSVOA_U

ClientSampleId :

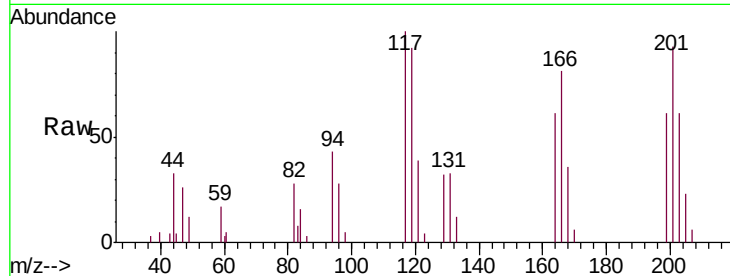
VSTDIC0.5

Tgt Ion:117 Resp: 6089

Ion Ratio Lower Upper

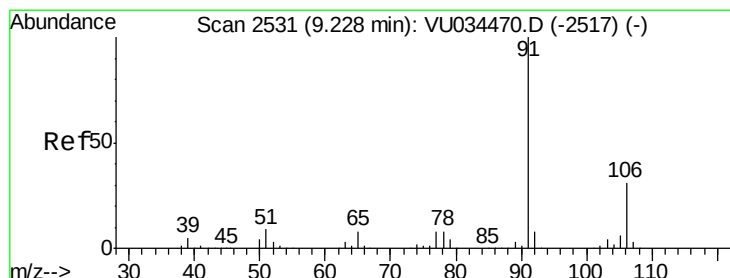
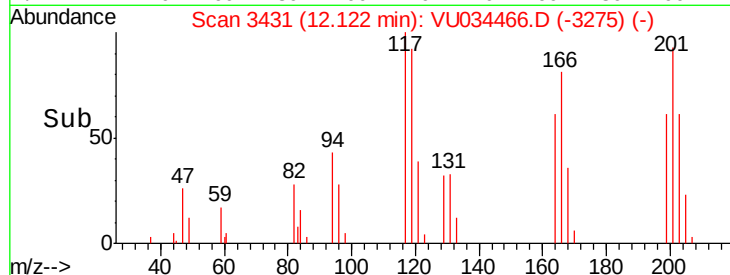
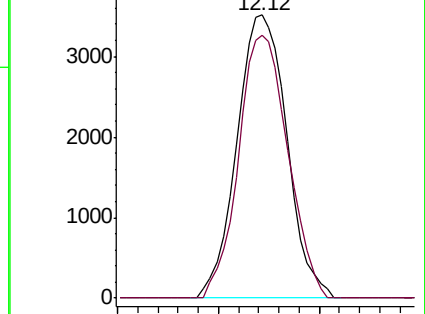
117 100

201 91.6 71.8 107.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V



#63

Ethyl Benzene

Concen: 0.438 ug/l

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU034466.D

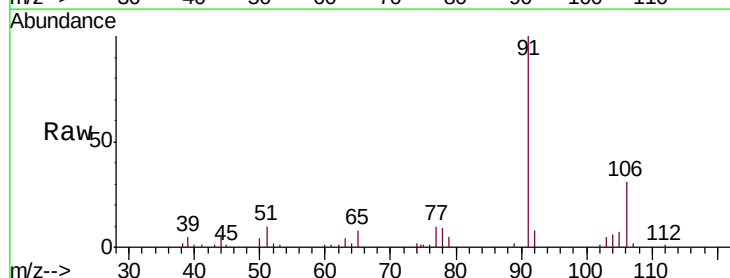
Acq: 11 Sep 2019 09:46

Tgt Ion: 91 Resp: 31367

Ion Ratio Lower Upper

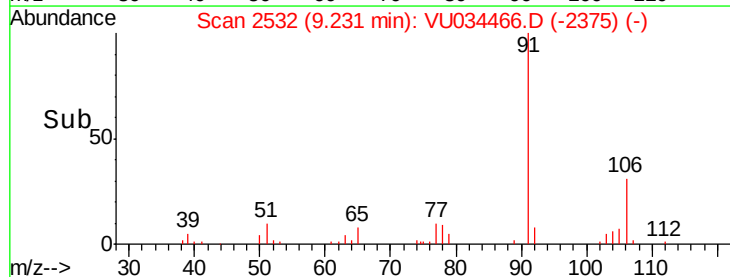
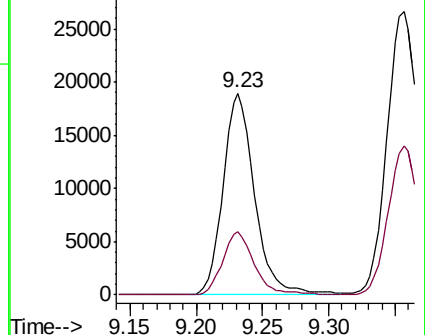
91 100

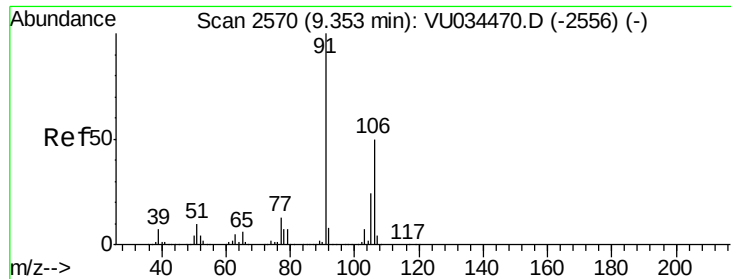
106 31.0 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V





#64

m/p-Xylenes

Concen: 0.859 ug/l

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU034466.D

Acq: 11 Sep 2019 09:46

Instrument :

MSVOA_U

ClientSampleId :

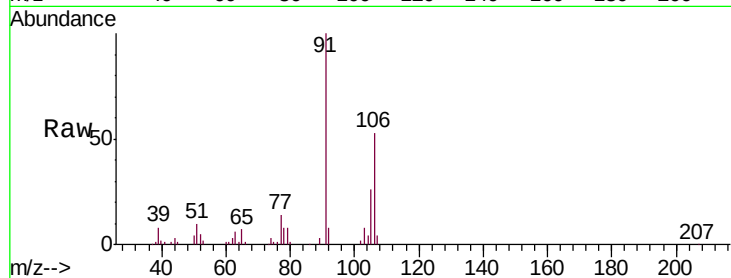
VSTDIC0.5

Tgt Ion:106 Resp: 24665

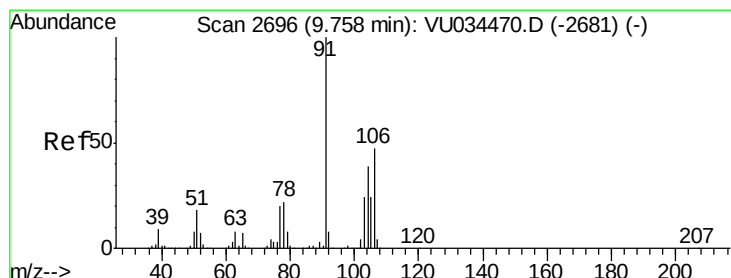
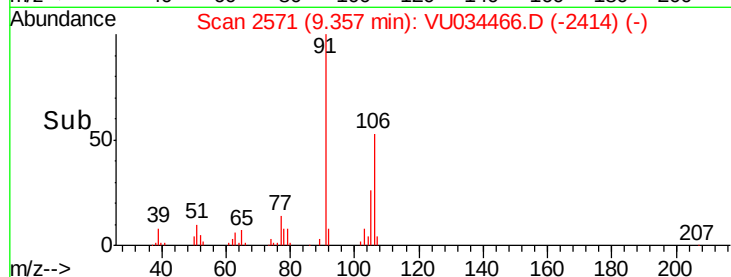
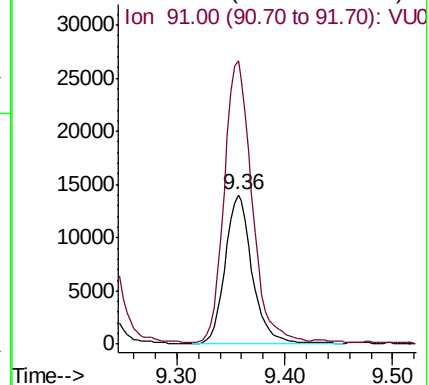
Ion Ratio Lower Upper

106 100

91 190.9 161.8 242.6



Abundance Ion 106.00 (105.70 to 106.70): V



#65

o-Xylene

Concen: 0.422 ug/l

RT: 9.76 min Scan# 2697

Delta R.T. 0.00 min

Lab File: VU034466.D

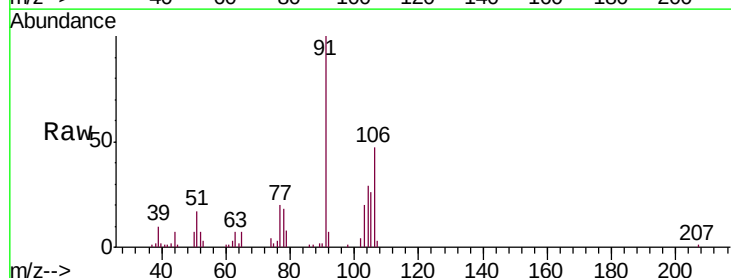
Acq: 11 Sep 2019 09:46

Tgt Ion:106 Resp: 11591

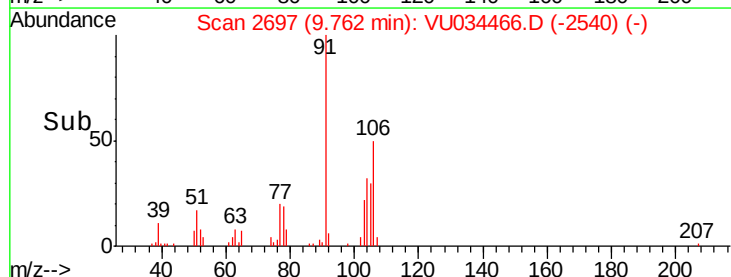
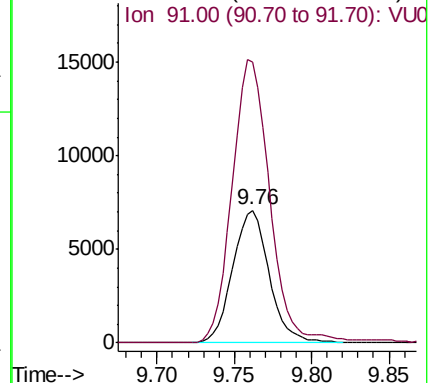
Ion Ratio Lower Upper

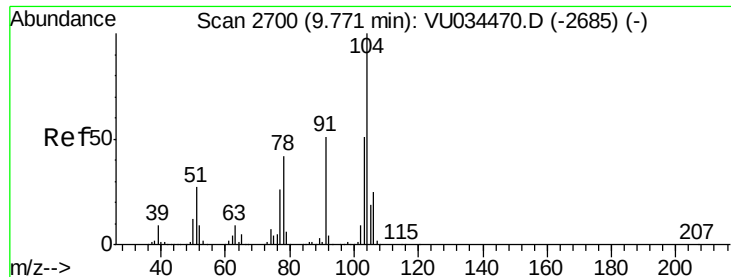
106 100

91 221.0 104.7 313.9



Abundance Ion 106.00 (105.70 to 106.70): V

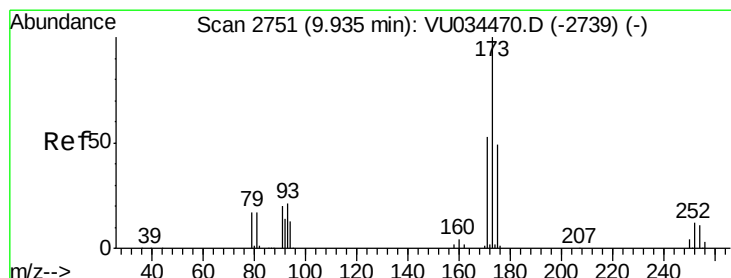
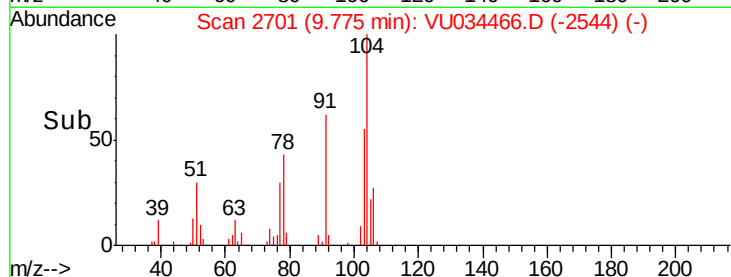
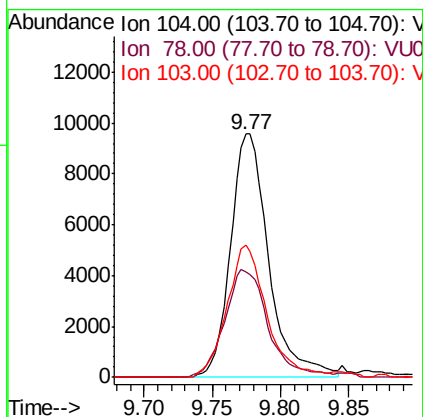
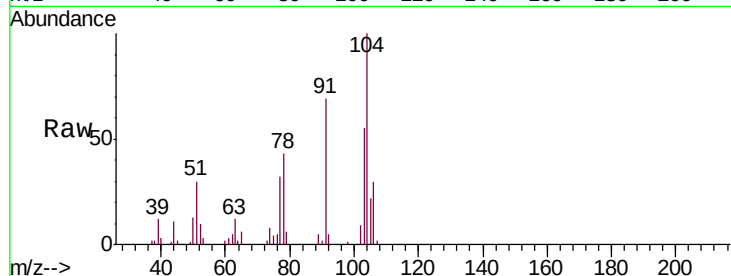




#66
Styrene
Concen: 0.402 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU034466.D
Acq: 11 Sep 2019 09:46

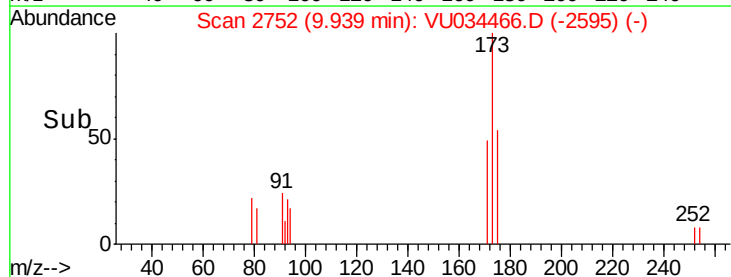
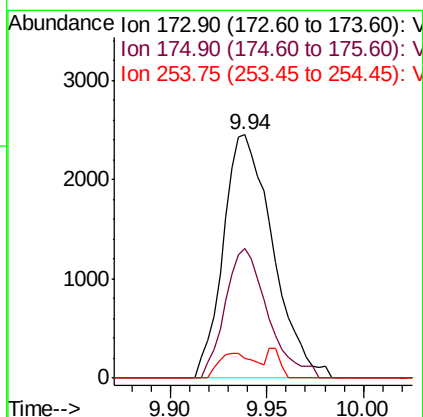
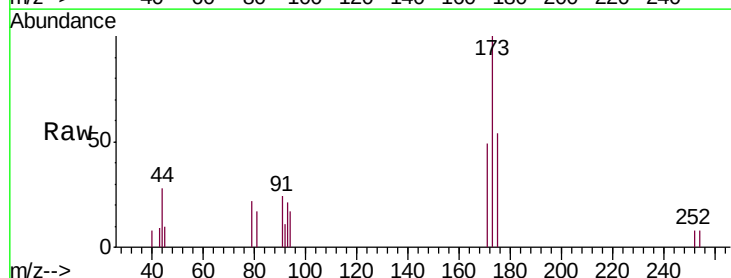
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

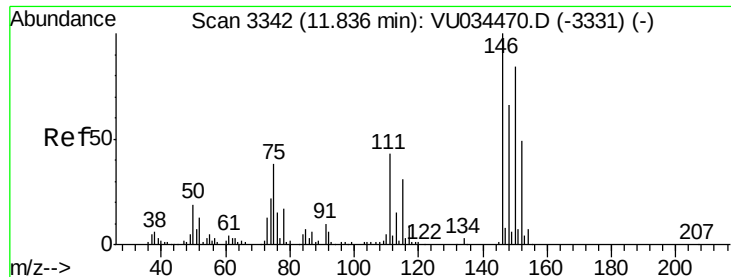
Tgt Ion:104 Resp: 18635
Ion Ratio Lower Upper
104 100
78 50.2 37.8 56.6
103 56.4 43.8 65.8



#67
Bromoform
Concen: 0.503 ug/l
RT: 9.94 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VU034466.D
Acq: 11 Sep 2019 09:46

Tgt Ion:173 Resp: 4362
Ion Ratio Lower Upper
173 100
175 45.7 39.1 58.7
254 7.6 8.6 13.0#

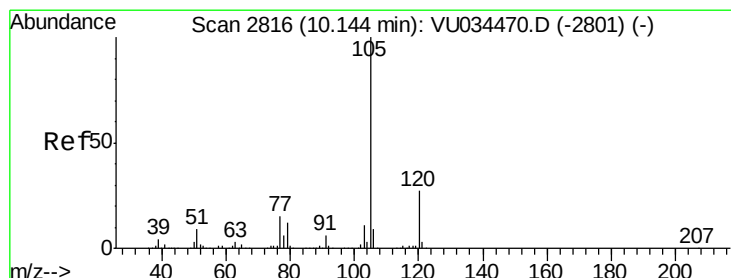
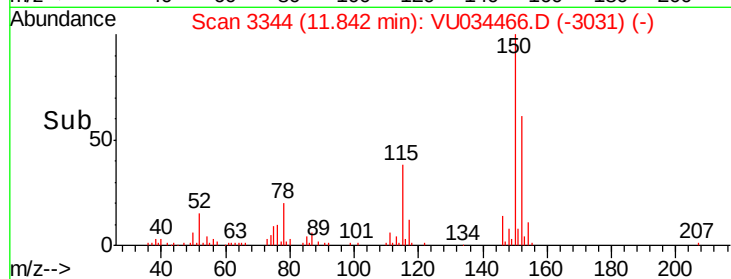
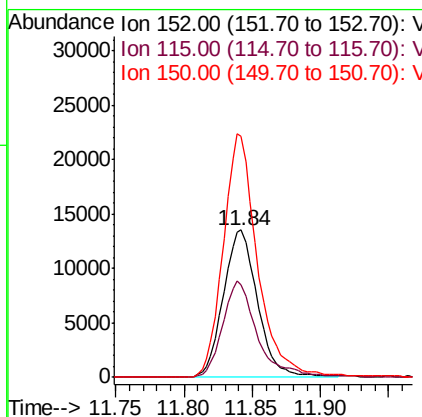
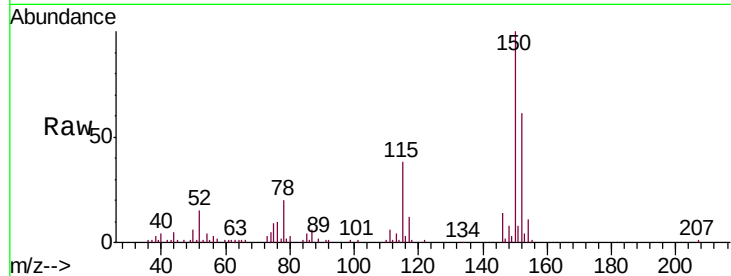




#68
 1,2-Dichlorobenzene-d4
 Concen: 1.024 ug/l
 RT: 11.84 min Scan# 3344
 Delta R.T. 0.01 min
 Lab File: VU034466.D
 Acq: 11 Sep 2019 09:46

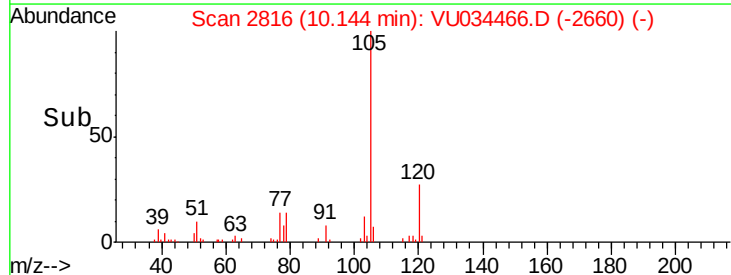
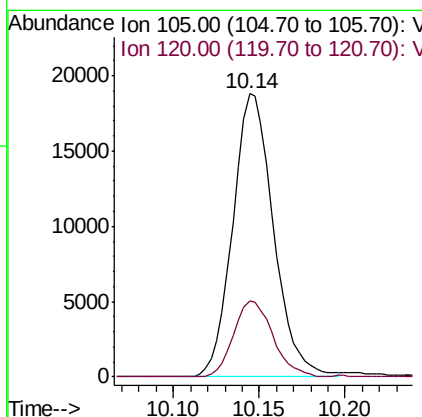
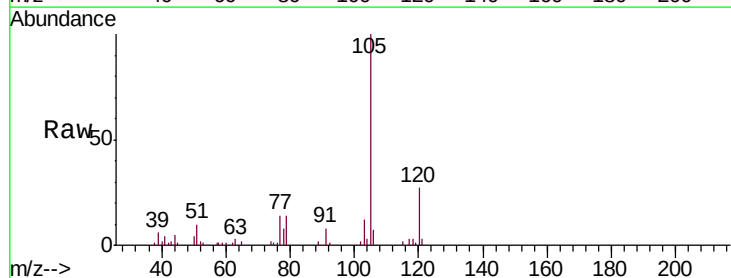
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

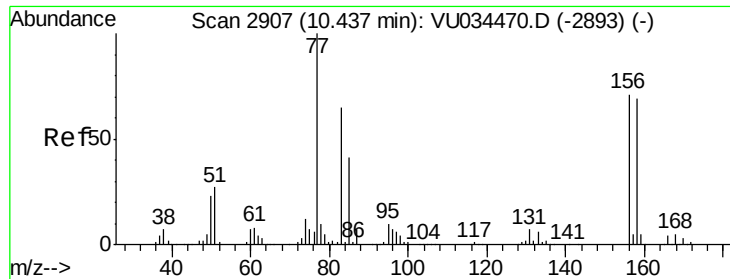
Tgt Ion:152 Resp: 23606
 Ion Ratio Lower Upper
 152 100
 115 65.6 0.0 126.6
 150 165.1 0.0 633.6



#69
 Isopropylbenzene
 Concen: 0.439 ug/l
 RT: 10.14 min Scan# 2816
 Delta R.T. 0.00 min
 Lab File: VU034466.D
 Acq: 11 Sep 2019 09:46

Tgt Ion:105 Resp: 31000
 Ion Ratio Lower Upper
 105 100
 120 25.8 13.4 40.2





#70

1,1,2,2-Tetrachloroethane

Concen: 0.456 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. -0.00 min

Lab File: VU034466.D

Acq: 11 Sep 2019 09:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

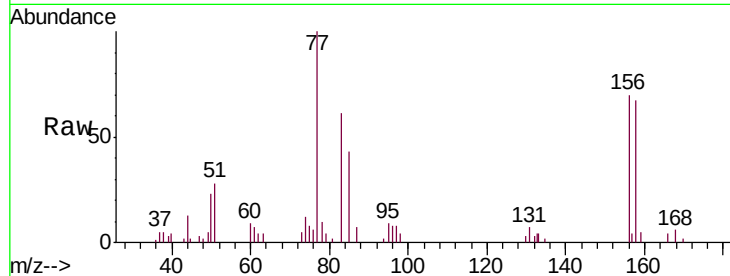
Tgt Ion: 83 Resp: 8120

Ion Ratio Lower Upper

83 100

131 9.3 8.2 12.4

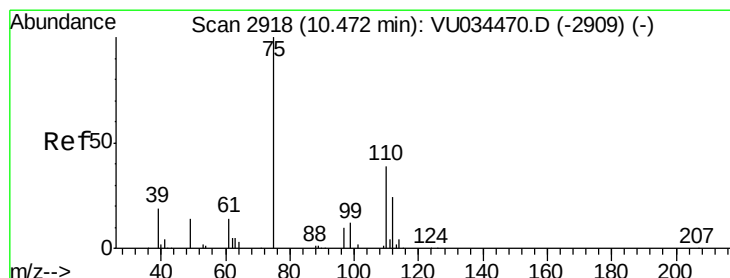
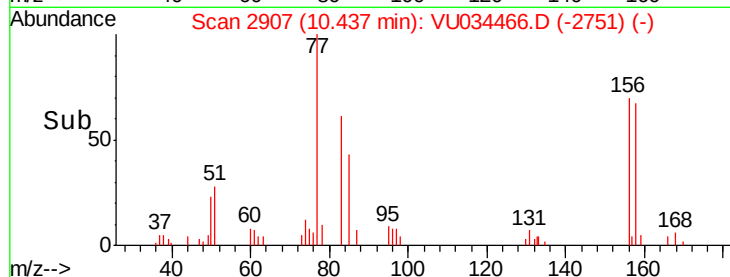
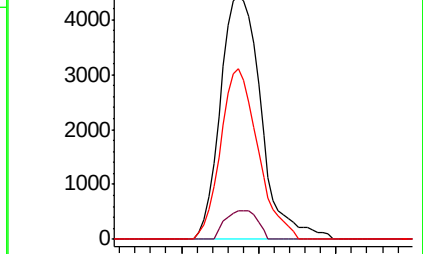
85 63.9 51.9 77.9



Abundance Ion 83.00 (82.70 to 83.70): VU034470.D (-2893) (-)

Ion 131.00 (130.70 to 131.70): VU034470.D (-2893) (-)

Ion 85.00 (84.70 to 85.70): VU034470.D (-2893) (-)



#71

1,2,3-Trichloropropane

Concen: 0.310 ug/l

RT: 10.47 min Scan# 2918

Delta R.T. -0.00 min

Lab File: VU034466.D

Acq: 11 Sep 2019 09:46

Tgt Ion: 75 Resp: 4277

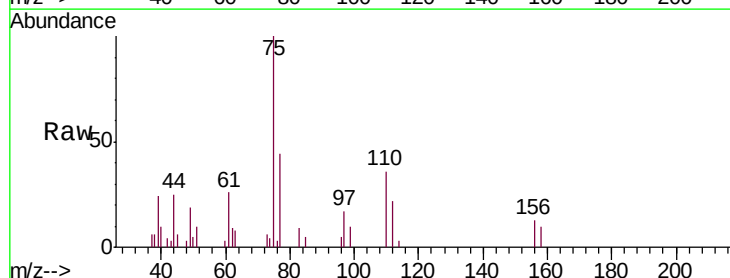
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

110 46.5 0.0 66.8

97 24.2 0.0 35.6

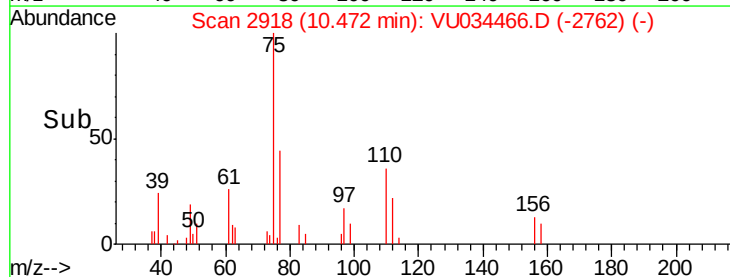
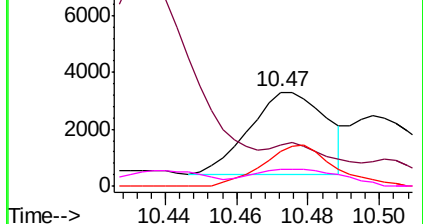


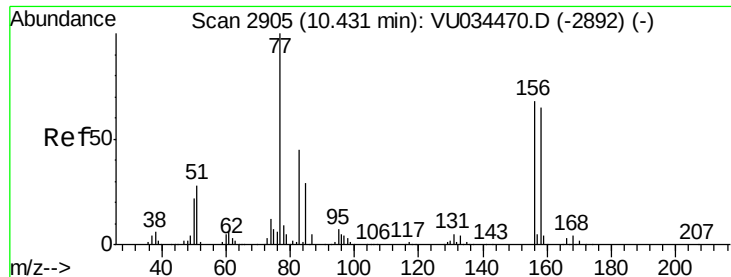
Abundance Ion 75.00 (74.70 to 75.70): VU034470.D (-2909) (-)

Ion 77.00 (76.70 to 77.70): VU034470.D (-2909) (-)

Ion 110.00 (109.70 to 110.70): VU034470.D (-2909) (-)

Ion 97.00 (96.70 to 97.70): VU034470.D (-2909) (-)





#72

Bromobenzene

Concen: 0.516 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. 0.01 min

Lab File: VU034466.D

Acq: 11 Sep 2019 09:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

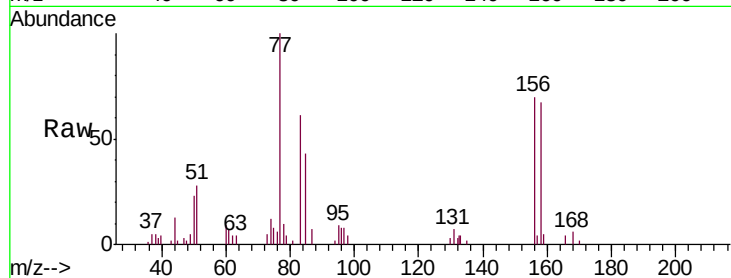
Tgt Ion:156 Resp: 9636

Ion Ratio Lower Upper

156 100

77 143.3 0.0 293.6

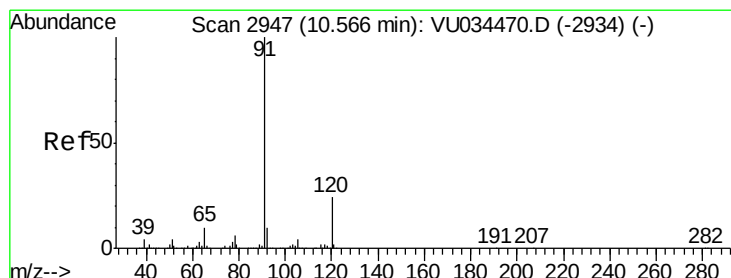
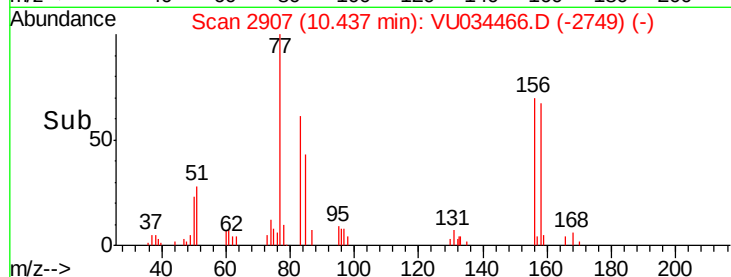
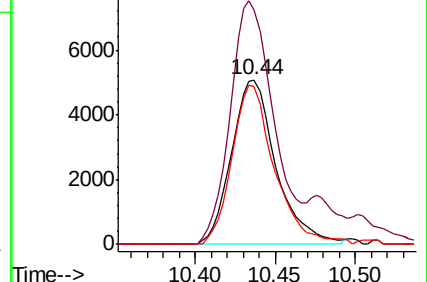
158 91.2 0.0 192.6



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: 0.436 ug/l

RT: 10.57 min Scan# 2947

Delta R.T. -0.00 min

Lab File: VU034466.D

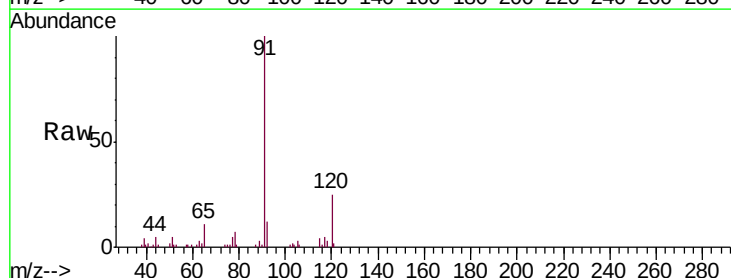
Acq: 11 Sep 2019 09:46

Tgt Ion:120 Resp: 8805

Ion Ratio Lower Upper

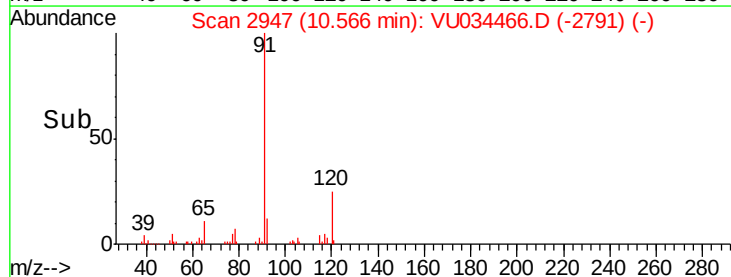
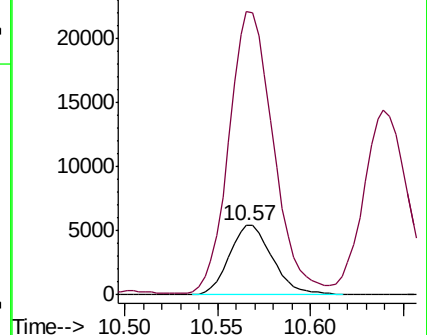
120 100

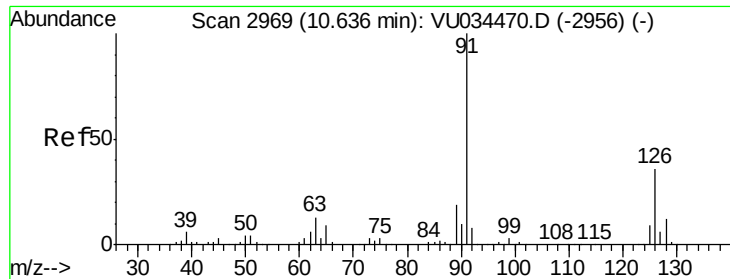
91 415.8 339.1 508.7



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0





#74

2-Chlorotoluene

Concen: 0.452 ug/l

RT: 10.64 min Scan# 2970

Delta R.T. 0.00 min

Lab File: VU034466.D

Acq: 11 Sep 2019 09:46

Instrument :

MSVOA_U

ClientSampleId :

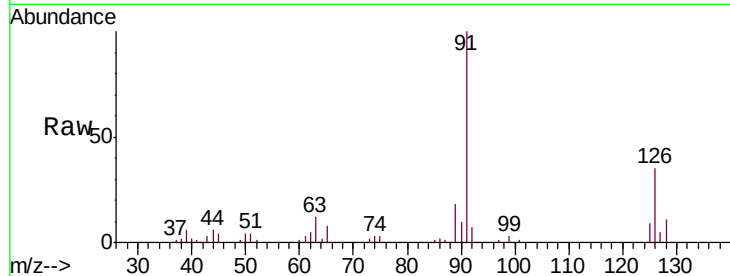
VSTDIC0.5

Tgt Ion:126 Resp: 8271

Ion Ratio Lower Upper

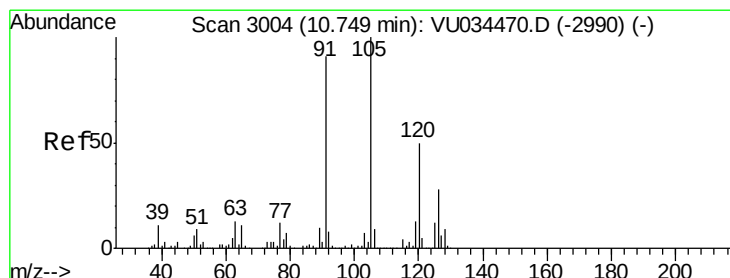
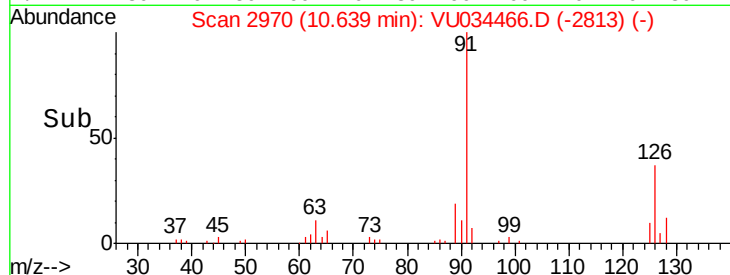
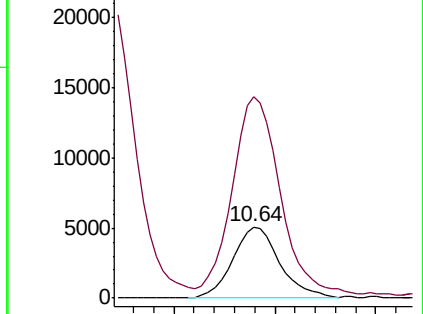
126 100

91 291.9 0.0 582.4



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: 0.415 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VU034466.D

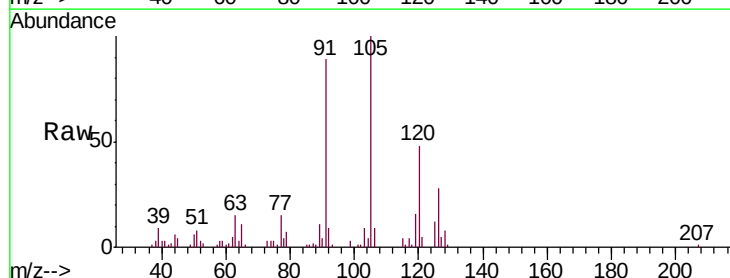
Acq: 11 Sep 2019 09:46

Tgt Ion:105 Resp: 26189

Ion Ratio Lower Upper

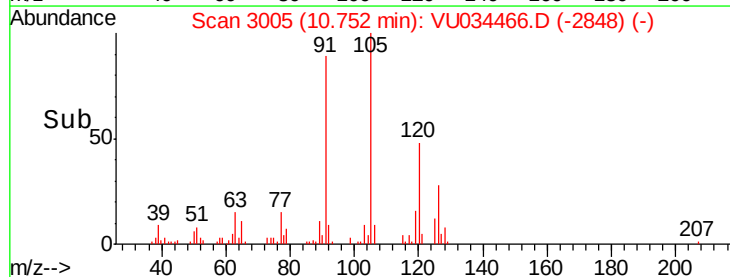
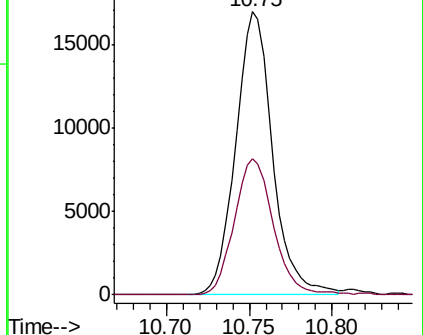
105 100

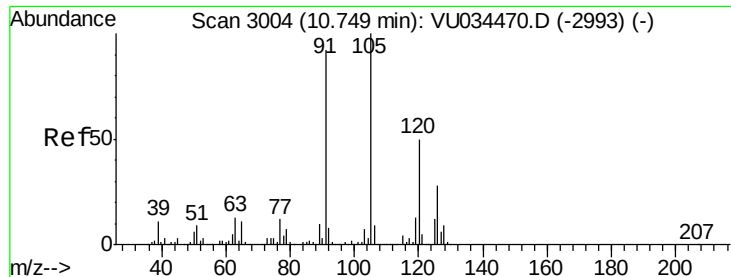
120 50.8 39.8 59.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

4-Chlorotoluene

Concen: 0.429 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. 0.01 min

Lab File: VU034466.D

Acq: 11 Sep 2019 09:46

Instrument :

MSVOA_U

ClientSampleId :

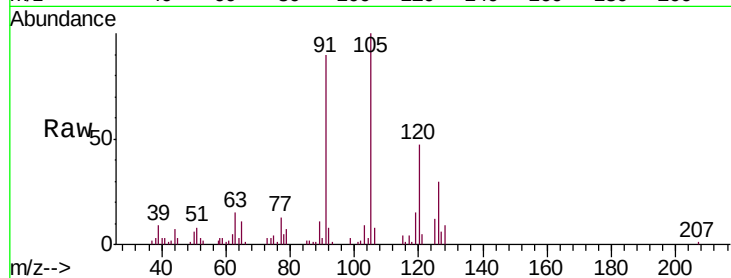
VSTDIC0.5

Tgt Ion:126 Resp: 8145

Ion Ratio Lower Upper

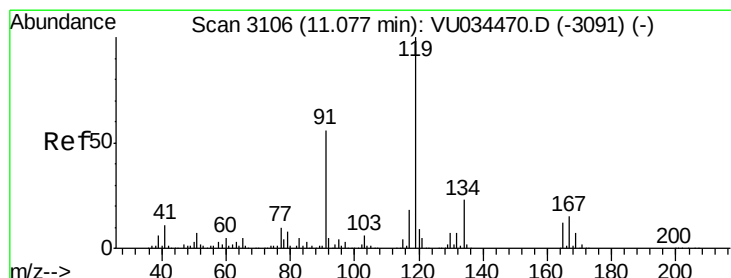
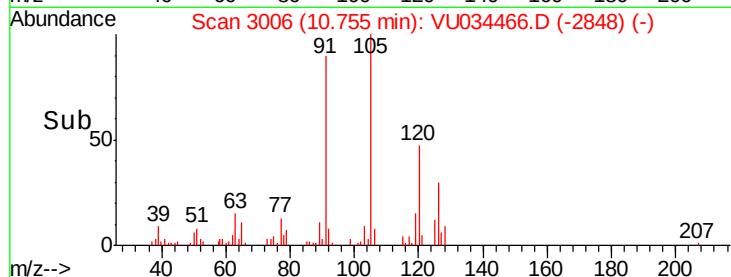
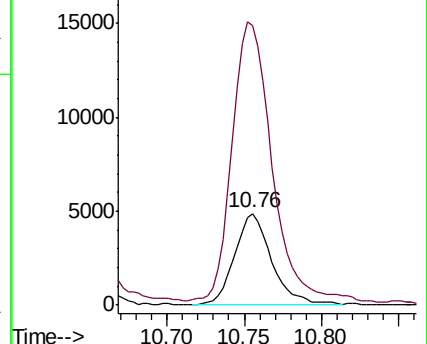
126 100

91 330.1 0.0 667.6



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0



#77

tert-Butylbenzene

Concen: 0.450 ug/l

RT: 11.08 min Scan# 3106

Delta R.T. -0.00 min

Lab File: VU034466.D

Acq: 11 Sep 2019 09:46

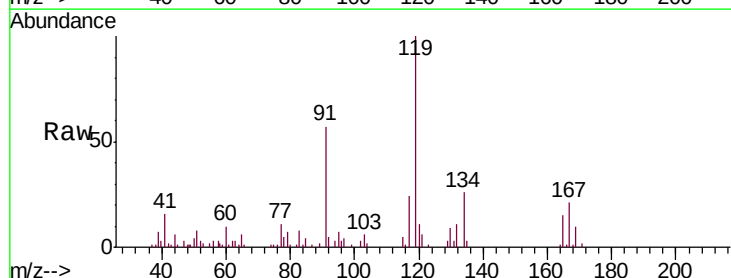
Tgt Ion:119 Resp: 27173

Ion Ratio Lower Upper

119 100

91 56.7 27.8 83.3

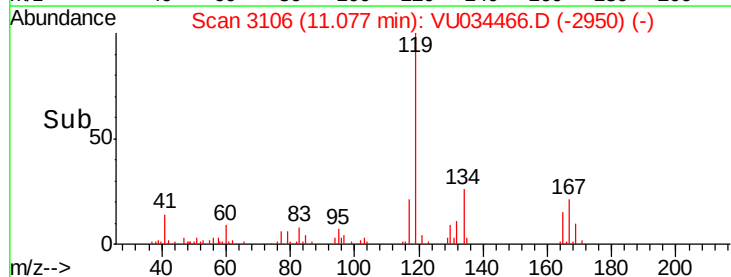
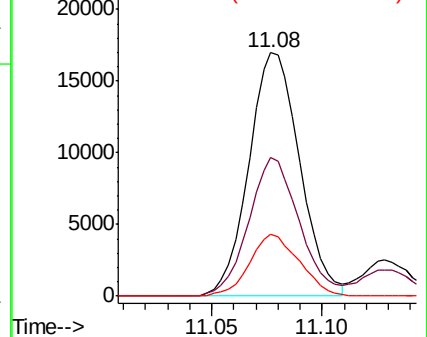
134 24.8 18.4 27.6

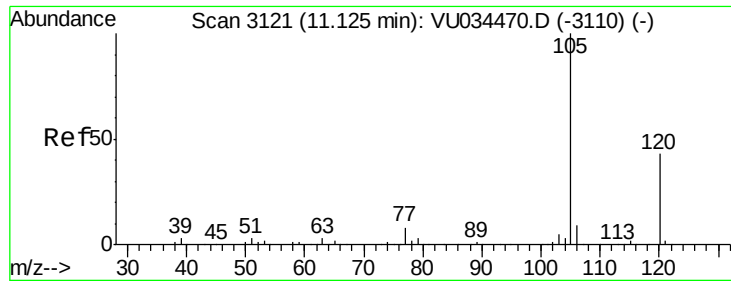


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VU0

Ion 134.00 (133.70 to 134.70): V

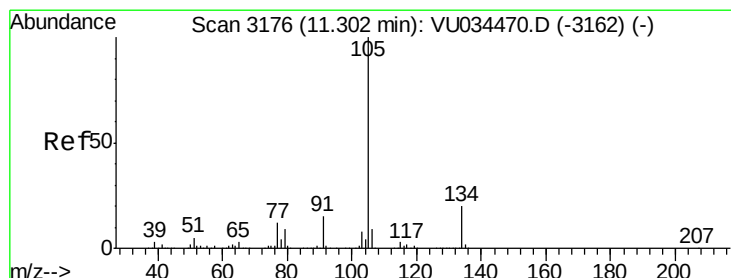
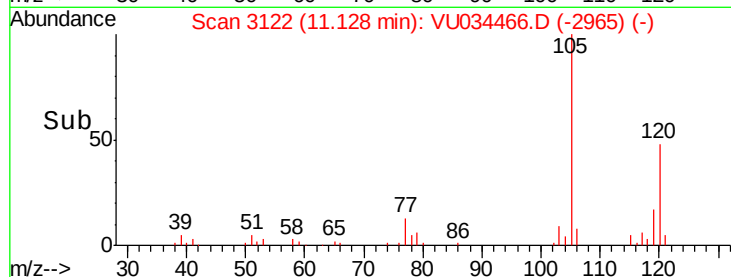
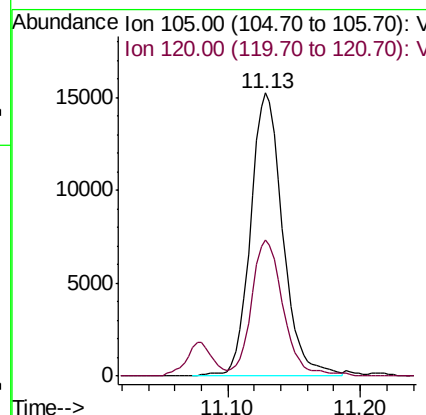
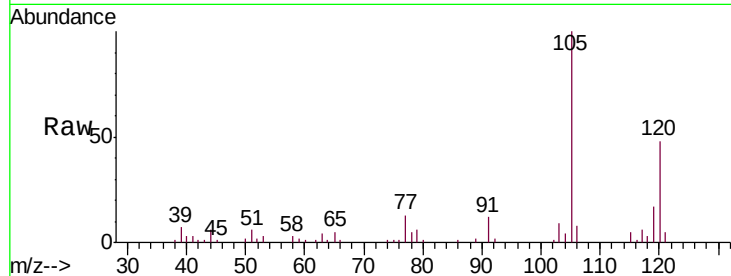




#78
 1,2,4-Trimethylbenzene
 Concen: 0.399 ug/l
 RT: 11.13 min Scan# 3122
 Delta R.T. 0.00 min
 Lab File: VU034466.D
 Acq: 11 Sep 2019 09:46

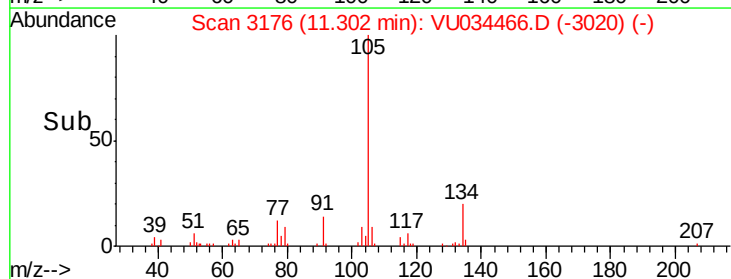
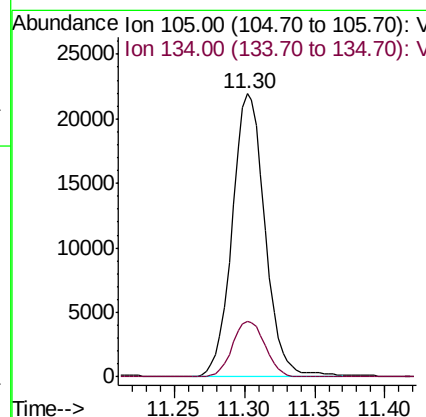
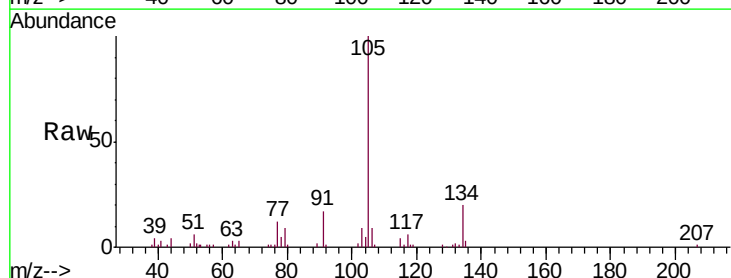
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

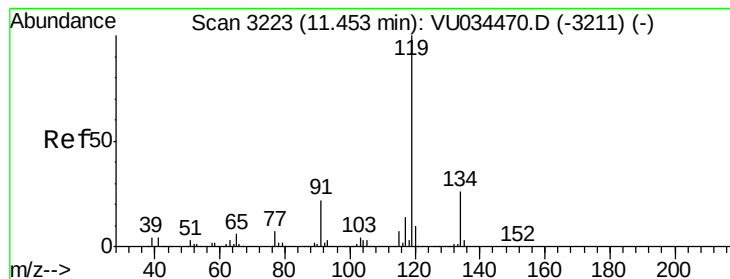
Tgt Ion:105 Resp: 25739
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.1 69.2



#79
 sec-Butylbenzene
 Concen: 0.434 ug/l
 RT: 11.30 min Scan# 3176
 Delta R.T. -0.00 min
 Lab File: VU034466.D
 Acq: 11 Sep 2019 09:46

Tgt Ion:105 Resp: 35747
 Ion Ratio Lower Upper
 105 100
 134 19.5 16.3 24.5





#81

p-Isopropyltoluene

Concen: 0.423 ug/l

RT: 11.46 min Scan# 3224

Delta R.T. 0.00 min

Lab File: VU034466.D

Acq: 11 Sep 2019 09:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

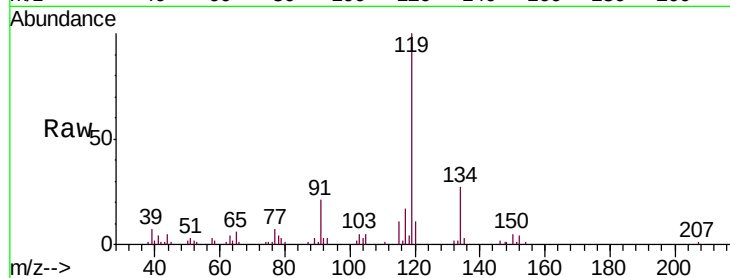
Tgt Ion:119 Resp: 28469

Ion Ratio Lower Upper

119 100

134 27.5 21.2 31.8

91 22.8 17.6 26.4

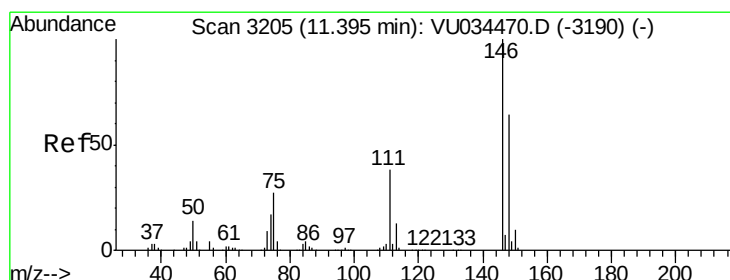
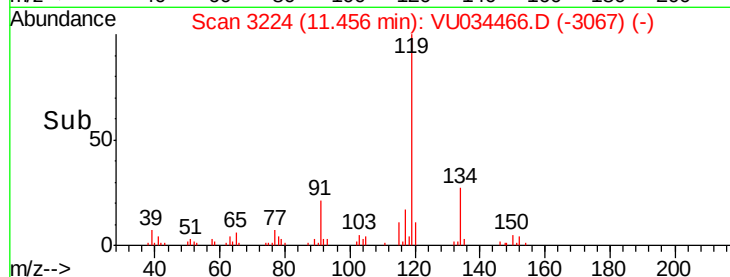
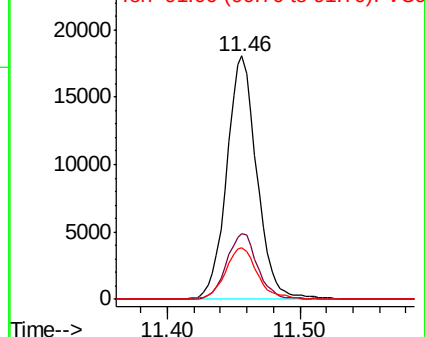


Abundance

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: 0.476 ug/l

RT: 11.40 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU034466.D

Acq: 11 Sep 2019 09:46

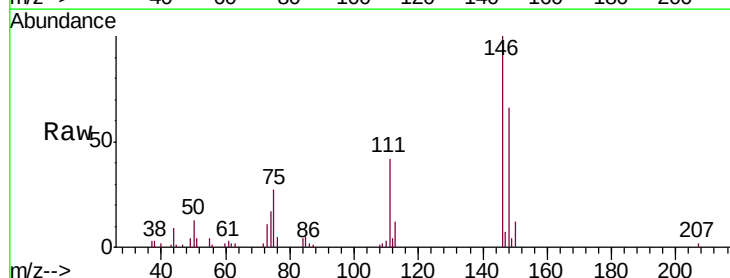
Tgt Ion:146 Resp: 18852

Ion Ratio Lower Upper

146 100

111 43.0 31.0 46.6

148 67.5 51.5 77.3

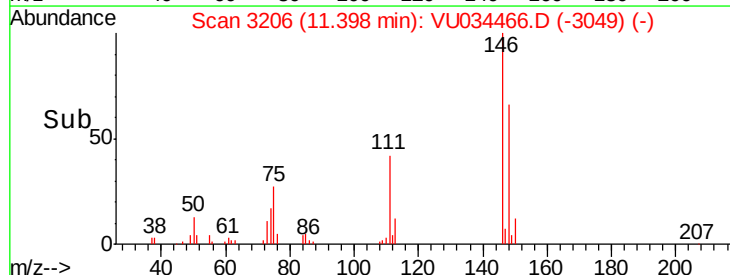
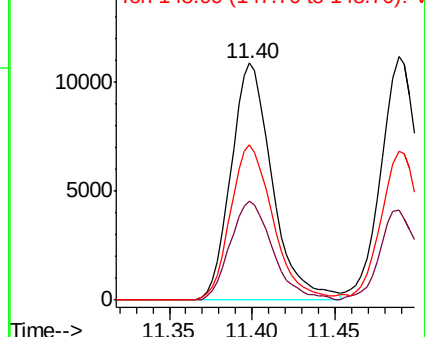


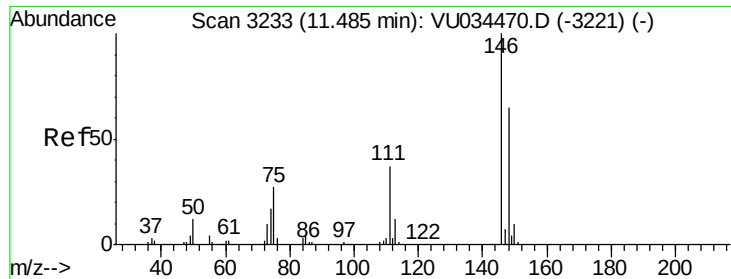
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

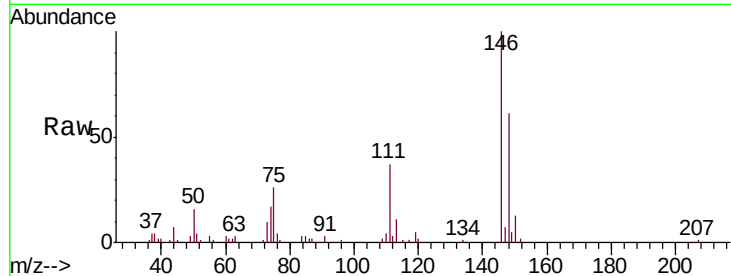




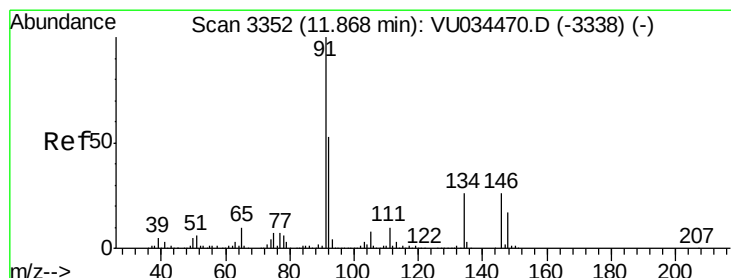
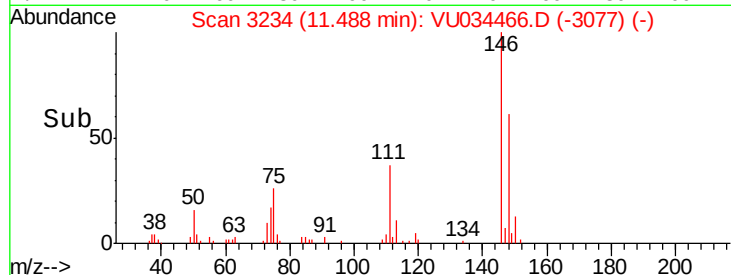
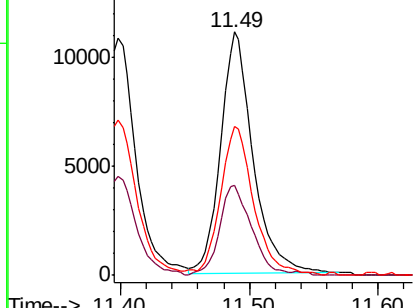
#83
 1,4-Dichlorobenzene
 Concen: 0.497 ug/l
 RT: 11.49 min Scan# 3234
 Delta R.T. 0.00 min
 Lab File: VU034466.D
 Acq: 11 Sep 2019 09:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 146 Resp: 19449
 Ion Ratio Lower Upper
 146 100
 111 36.6 29.5 44.3
 148 62.7 51.0 76.4

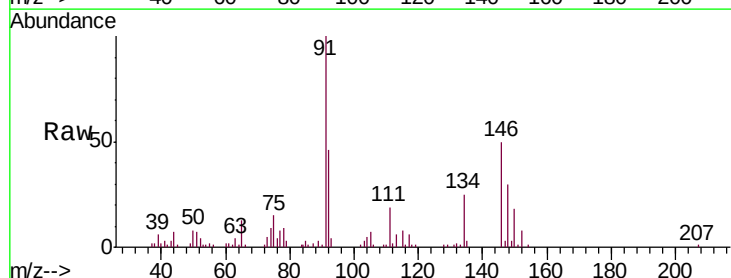


Abundance Ion 146.00 (145.70 to 146.70): V
 15000 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

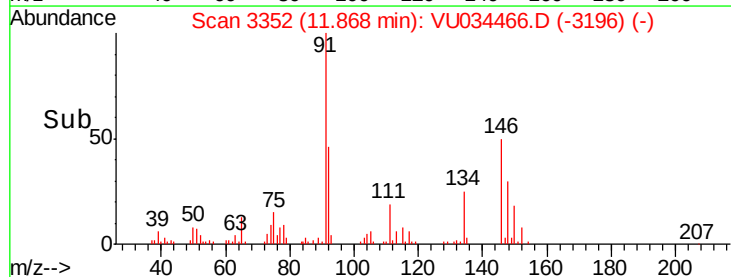
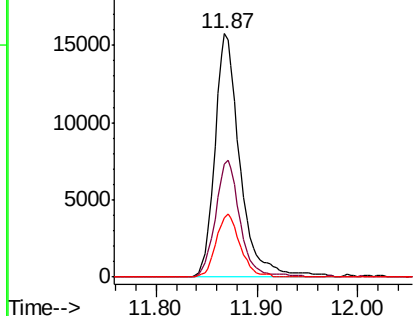


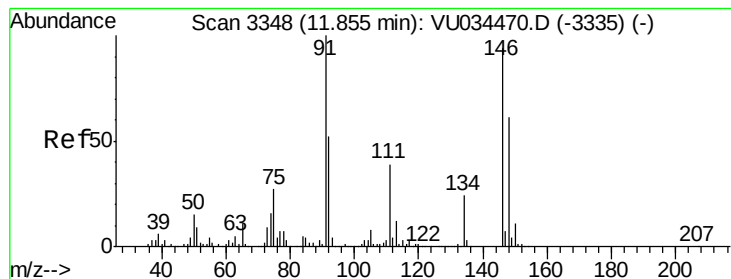
#84
 n-Butylbenzene
 Concen: 0.402 ug/l
 RT: 11.87 min Scan# 3352
 Delta R.T. 0.00 min
 Lab File: VU034466.D
 Acq: 11 Sep 2019 09:46

Tgt Ion: 91 Resp: 27319
 Ion Ratio Lower Upper
 91 100
 92 45.8 42.4 63.6
 134 24.6 21.0 31.4



Abundance Ion 91.00 (90.70 to 91.70): VU0
 20000 Ion 92.00 (91.70 to 92.70): VU0
 Ion 134.00 (133.70 to 134.70): V





#85

1,2-Dichlorobenzene

Concen: 0.487 ug/l

RT: 11.86 min Scan# 3350

Delta R.T. 0.01 min

Lab File: VU034466.D

Acq: 11 Sep 2019 09:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

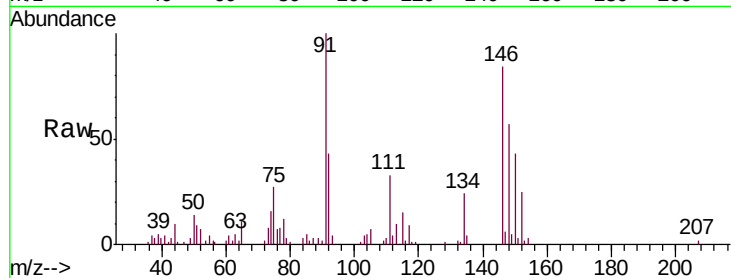
Tgt Ion:146 Resp: 17959

Ion Ratio Lower Upper

146 100

111 40.8 20.3 60.8

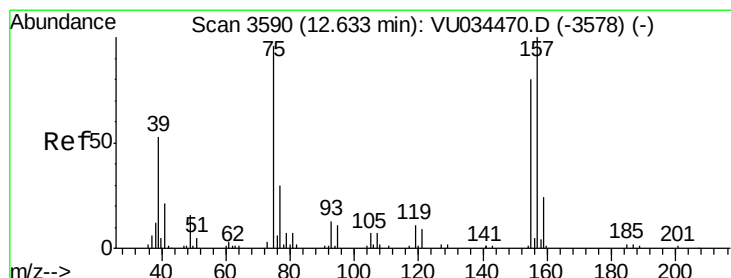
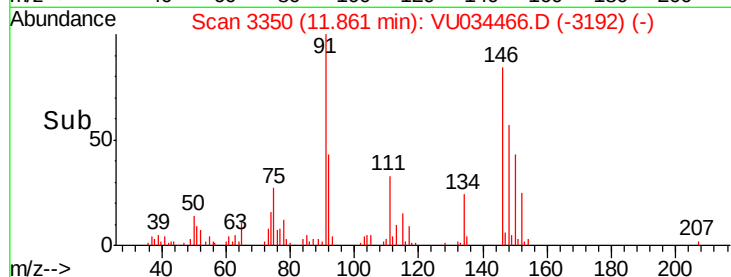
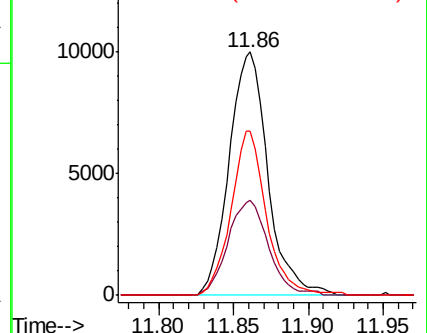
148 61.5 32.2 96.6



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: 0.323 ug/l

RT: 12.64 min Scan# 3593

Delta R.T. 0.01 min

Lab File: VU034466.D

Acq: 11 Sep 2019 09:46

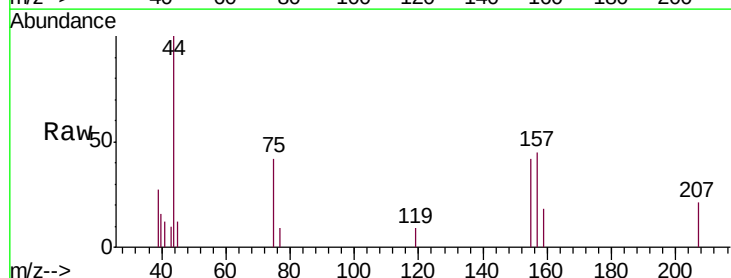
Tgt Ion: 75 Resp: 892

Ion Ratio Lower Upper

75 100

155 81.7 68.9 103.3

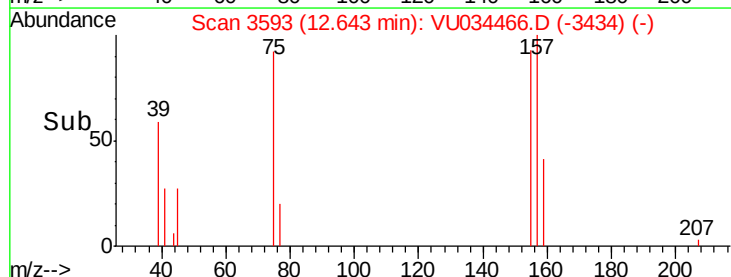
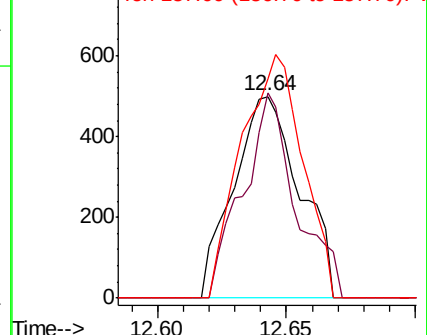
157 112.2 89.9 134.9

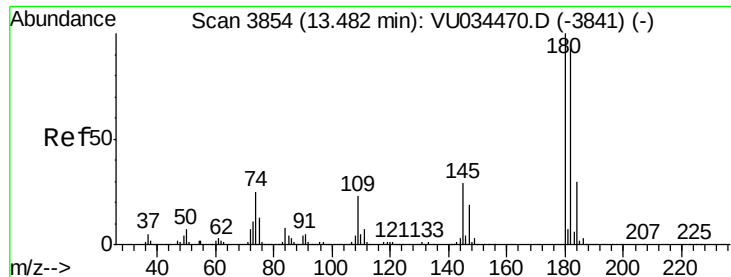


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

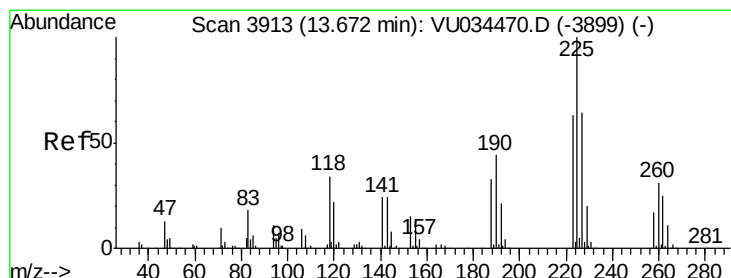
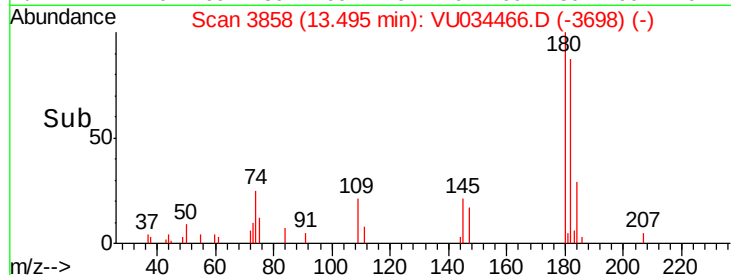
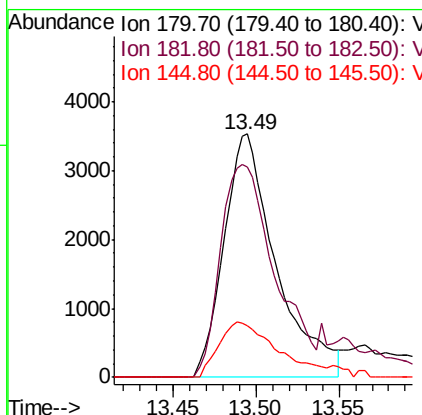
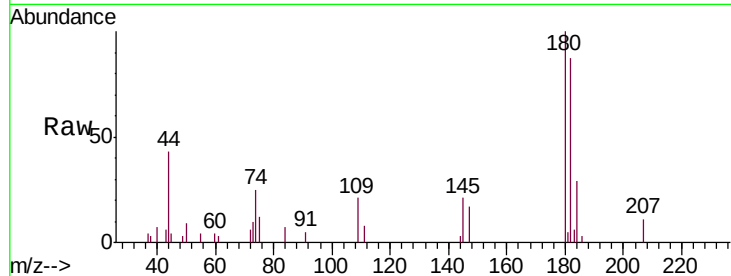




#87
 1,2,4-Trichlorobenzene
 Concen: 0.351 ug/l
 RT: 13.49 min Scan# 3858
 Delta R.T. 0.01 min
 Lab File: VU034466.D
 Acq: 11 Sep 2019 09:46

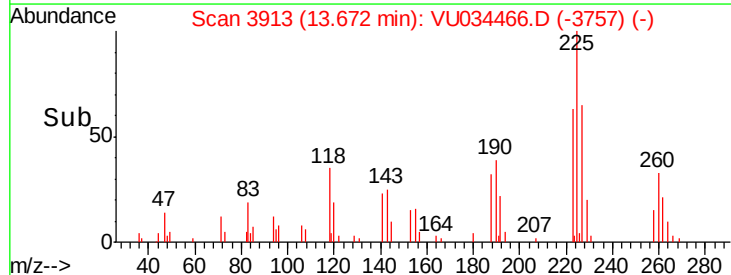
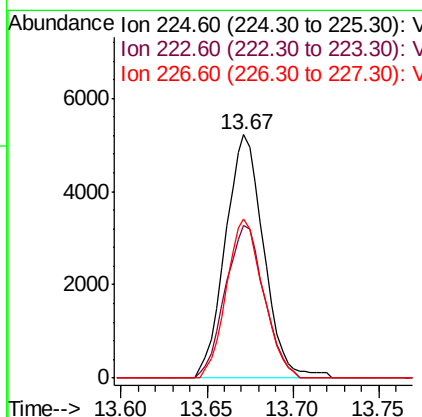
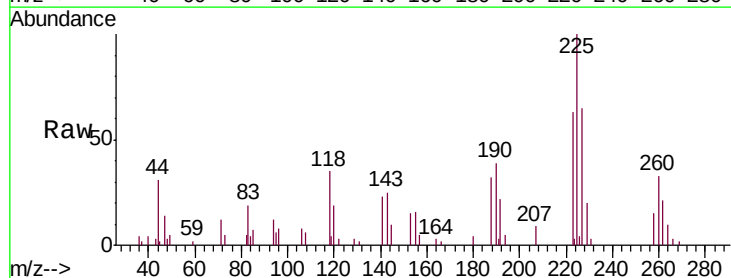
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

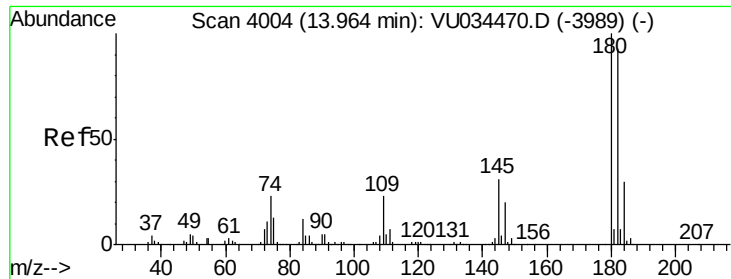
Tgt Ion:180 Resp: 7727
 Ion Ratio Lower Upper
 180 100
 182 91.4 76.6 114.8
 145 25.6 23.0 34.6



#88
 Hexachlorobutadiene
 Concen: 0.576 ug/l
 RT: 13.67 min Scan# 3913
 Delta R.T. -0.00 min
 Lab File: VU034466.D
 Acq: 11 Sep 2019 09:46

Tgt Ion:225 Resp: 8111
 Ion Ratio Lower Upper
 225 100
 223 63.4 50.3 75.5
 227 62.2 51.1 76.7





#90
 1,2,3-Trichlorobenzene
 Concen: 0.316 ug/l
 RT: 13.97 min Scan# 4007
 Delta R.T. 0.01 min
 Lab File: VU034466.D
 Acq: 11 Sep 2019 09:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tgt Ion:	180	Resp:	6717
Ion	Ratio	Lower	Upper
180	100		
182	104.6	75.4	113.2
145	30.2	24.5	36.7

