

Data File : VU034471.D
Acq On : 11 Sep 2019 12:01
Operator : JC/SP
Sample : VSTDIC015
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Quant Time: Sep 12 02:13:30 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	66765	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.29	95	26415	1.02	ug/l	0.00
Spiked Amount	1.000		Recovery	=	102.00%	
68) 1,2-Dichlorobenzene-d4	11.84	152	27616	1.02	ug/l	0.00
Spiked Amount	1.000		Recovery	=	102.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	351065	12.902	ug/l 100
3) Chloromethane	1.33	50	373930	12.484	ug/l 98
4) Vinyl Chloride	1.40	62	384359	11.645	ug/l 99
5) Bromomethane	1.62	94	221260	10.746	ug/l 100
6) Chloroethane	1.69	64	221387	9.911	ug/l 98
7) Trichlorofluoromethane	1.88	101	475465	10.642	ug/l 98
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	250115	10.755	ug/l 100
9) 1,1-Dichloroethene	2.28	96	253376	11.052	ug/l 99
10) Iodomethane	2.40	142	309301	10.323	ug/l 99
11) Allyl Chloride	2.58	41	424245	11.219	ug/l 100
12) Acrylonitrile	2.92	53	106771	17.156	ug/l 97
13) Acetone	2.31	43	214561	40.248	ug/l 99
14) Carbon Disulfide	2.47	76	902238	10.439	ug/l 100
15) Methylene Chloride	2.68	84	279864	9.132	ug/l 99
16) trans-1,2-Dichloroethene	2.96	96	282297	10.430	ug/l 99
17) 1,1-Dichloroethane	3.42	63	548310	14.351	ug/l 99
18) 2-Butanone	4.25	43	366834	69.321	ug/l 99
19) Cyclohexane	4.97	56	435058	15.323	ug/l 88
20) Methylcyclohexane	6.39	83	513964	17.971	ug/l 99
21) 2,2-Dichloropropane	4.20	77	441349	13.601	ug/l 99
22) cis-1,2-Dichloroethene	4.20	96	325796	15.123	ug/l 99
23) Diethyl Ether	2.10	59	199575	10.303	ug/l 99
24) tert-Butyl Alcohol	2.82	59	197812	67.219	ug/l 99
25) Methyl tert-Butyl Ether	2.99	73	618672	9.597	ug/l 99
26) Bromochloromethane	4.52	128	130750	13.929	ug/l 98
27) Chloroform	4.65	83	526515	12.247	ug/l 100
28) 1,1,1-Trichloroethane	4.89	97	456560	13.736	ug/l 99
29) 1,1-Dichloropropene	5.11	75	416651	15.090	ug/l 99
30) Carbon Tetrachloride	5.11	117	407641	13.882	ug/l 98
31) Isopropyl Ether	3.56	45	844440	17.114	ug/l 99
32) Ethyl-t-butyl ether	4.05	59	755926	16.294	ug/l 100
33) Tert-Amyl methyl ether	5.56	73	649230	15.852	ug/l 100
34) Propionitrile	4.31	54	103689	69.313	ug/l 98
35) Benzene	5.37	78	1212179	15.112	ug/l 99
36) 1,2-Dichloroethane	5.38	62	300161	11.663	ug/l 100
37) Trichloroethene	6.16	130	333198	15.566	ug/l 99
38) 1,2-Dichloropropane	6.41	63	311523	14.170	ug/l 100
39) Methacrylonitrile	4.53	41	86010	14.305	ug/l 98
40) Methyl acrylate	4.41	55	140226	15.023	ug/l 99
41) Tetrahydrofuran	4.63	42	87914	29.281	ug/l 99
42) 1-Chlorobutane	5.04	56	580547	15.579	ug/l 100

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Sep 12 02:05:08 2019
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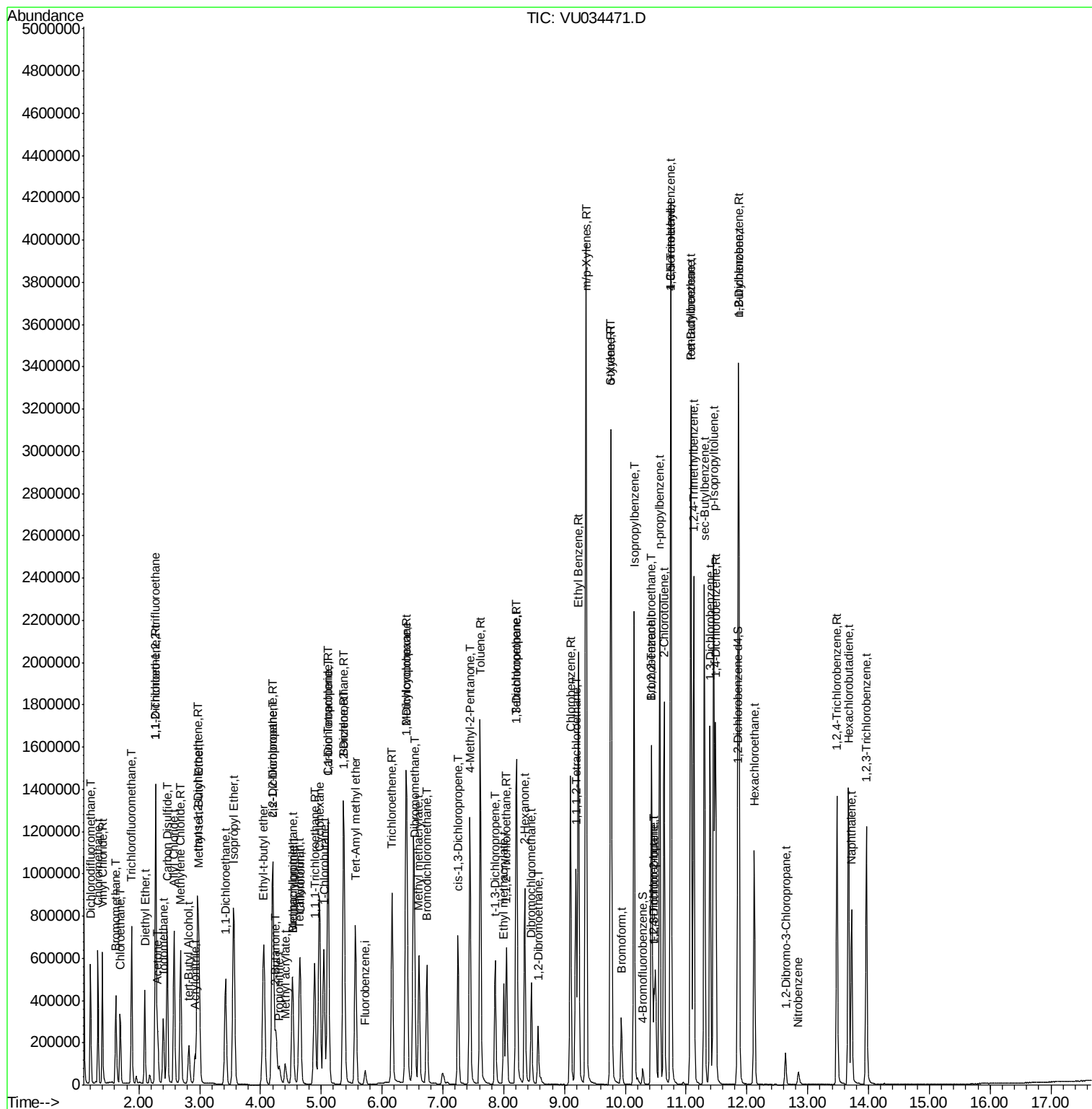
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.54	93	143810	12.163	ug/l	99
44) Bromodichloromethane	6.74	83	376377	13.004	ug/l	100
45) 4-Methyl-2-Pentanone	7.44	43	827736	68.926	ug/l	99
46) t-1,4-Dichloro-2-butene	10.47	75	158171	33.253	ug/l #	83
47) Methyl methacrylate	6.61	69	263875	29.183	ug/l	99
48) Ethyl methacrylate	8.00	69	257690	16.073	ug/l	100
49) Toluene	7.61	92	763003	16.607	ug/l	99
50) t-1,3-Dichloropropene	7.86	75	339119	14.144	ug/l	99
51) cis-1,3-Dichloropropene	7.25	75	425625	14.792	ug/l	99
52) 1,1,2-Trichloroethane	8.05	97	202763	12.776	ug/l	98
53) 1,3-Dichloropropane	8.22	76	355855	13.237	ug/l	99
54) 2-Hexanone	8.34	43	579555	68.808	ug/l	99
55) Dibromochloromethane	8.46	129	254232	13.596	ug/l	97
56) 1,2-Dibromoethane	8.57	107	190597	12.905	ug/l	99
58) Tetrachloroethene	8.21	164	319053	16.346	ug/l	99
59) Chlorobenzene	9.10	112	831355	15.828	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.19	131	285218	14.313	ug/l	99
61) Pentachloroethane	11.08	117	223696	13.745	ug/l	98
62) Hexachloroethane	12.12	117	218920	14.100	ug/l	98
63) Ethyl Benzene	9.23	91	1445077	17.119	ug/l	100
64) m/p-Xylenes	9.35	106	1151568	34.038	ug/l	98
65) o-Xylene	9.76	106	544623	16.819	ug/l	99
66) Styrene	9.77	104	938749	17.169	ug/l	100
67) Bromoform	9.94	173	150040	14.690	ug/l	99
69) Isopropylbenzene	10.14	105	1453319	17.457	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.43	83	257888	12.287	ug/l	100
71) 1,2,3-Trichloropropane	10.47	75	158171	9.723	ug/l #	87
72) Bromobenzene	10.43	156	354133	16.077	ug/l	98
73) n-propylbenzene	10.57	120	422653	17.773	ug/l	99
74) 2-Chlorotoluene	10.64	126	355166	16.454	ug/l	100
75) 1,3,5-Trimethylbenzene	10.75	105	1270790	17.069	ug/l	100
76) 4-Chlorotoluene	10.75	126	362865	16.231	ug/l	98
77) tert-Butylbenzene	11.08	119	1225708	17.205	ug/l	99
78) 1,2,4-Trimethylbenzene	11.13	105	1314640	17.305	ug/l	99
79) sec-Butylbenzene	11.30	105	1643667	16.923	ug/l	100
80) Nitrobenzene	12.85	77	39431	46.401	ug/l #	96
81) p-Isopropyltoluene	11.45	119	1424722	17.943	ug/l	100
82) 1,3-Dichlorobenzene	11.39	146	729246	15.621	ug/l	99
83) 1,4-Dichlorobenzene	11.49	146	714413	15.502	ug/l	99
84) n-Butylbenzene	11.86	91	1315628	16.438	ug/l	100
85) 1,2-Dichlorobenzene	11.86	146	655781	15.077	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	12.63	75	39831	12.227	ug/l	96
87) 1,2,4-Trichlorobenzene	13.48	180	460436	17.757	ug/l	100
88) Hexachlorobutadiene	13.67	225	288388	17.383	ug/l	100
89) Naphthalene	13.72	128	693793	16.268	ug/l	100
90) 1,2,3-Trichlorobenzene	13.96	180	415917	16.622	ug/l	98

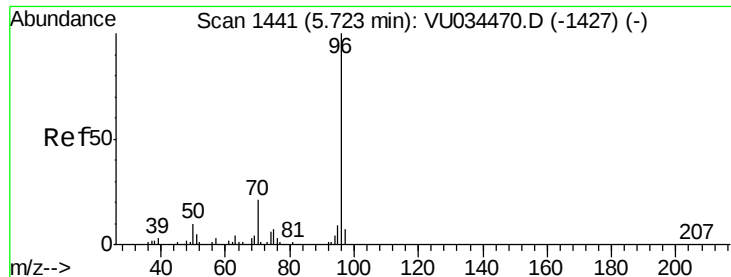
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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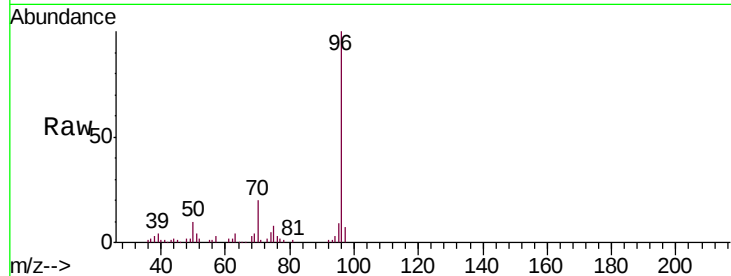




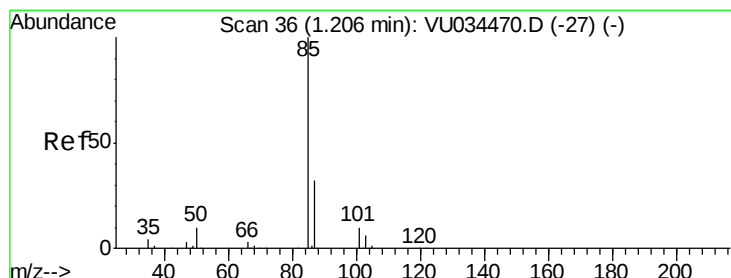
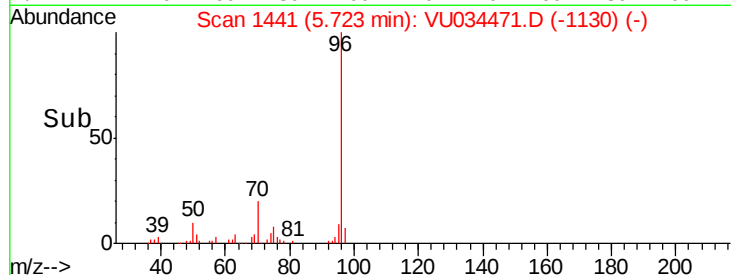
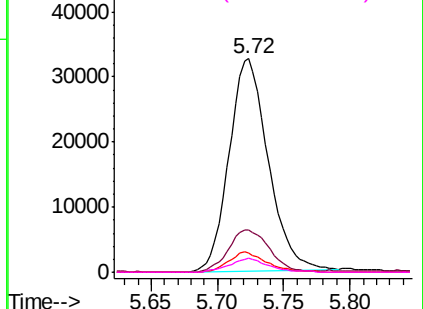
#1
 Fluorobenzene
 Concen: 1.000 ug/l
 RT: 5.72 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VU034471.D
 Acq: 11 Sep 2019 12:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tgt Ion:	96	Resp:	66765
Ion	Ratio	Lower	Upper
96	100		
70	20.0	16.5	24.7
95	0.0	7.0	10.6#
97	0.0	0.0	0.0

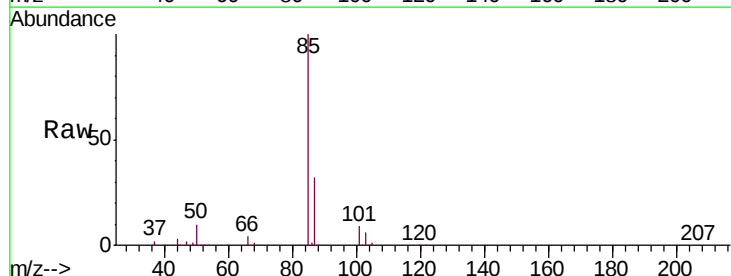


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 70.00 (69.70 to 70.70): VU0
 Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0

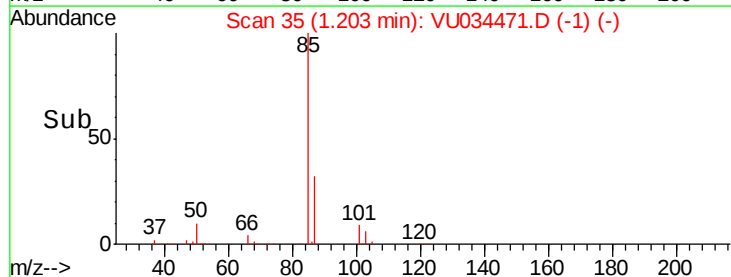
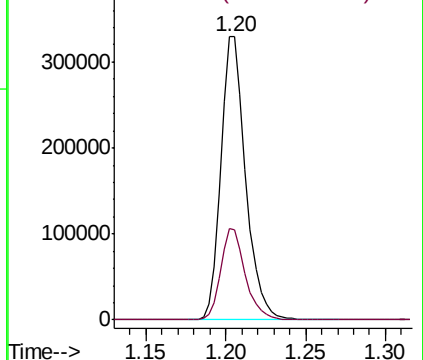


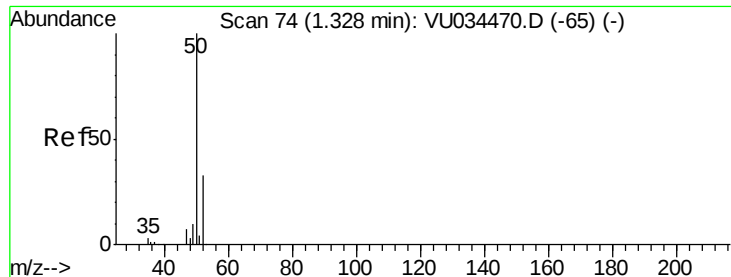
#2
 Dichlorodifluoromethane
 Concen: 12.902 ug/l
 RT: 1.20 min Scan# 35
 Delta R.T. -0.00 min
 Lab File: VU034471.D
 Acq: 11 Sep 2019 12:01

Tgt Ion:	85	Resp:	351065
Ion	Ratio	Lower	Upper
85	100		
87	32.2	16.1	48.3



Abundance Ion 85.00 (84.70 to 85.70): VU0
 Ion 87.00 (86.70 to 87.70): VU0





#3

Chloromethane

Concen: 12.484 ug/l

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU034471.D

Acq: 11 Sep 2019 12:01

Instrument :

MSVOA_U

ClientSampleId :

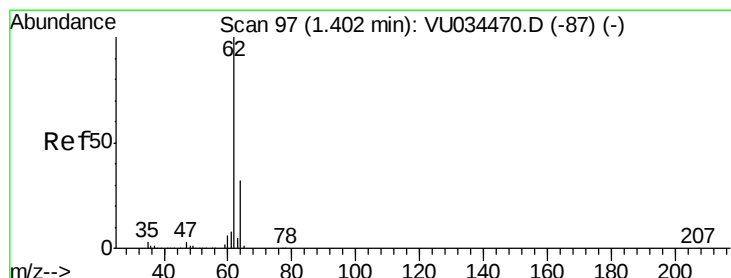
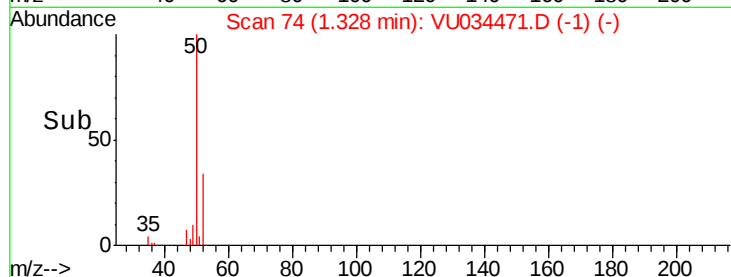
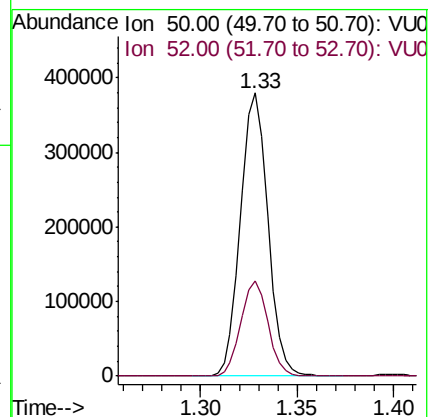
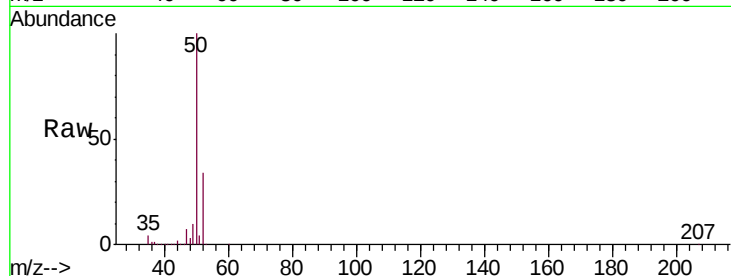
VSTDIC015

Tgt Ion: 50 Resp: 373930

Ion Ratio Lower Upper

50 100

52 33.8 26.2 39.4



#4

Vinyl Chloride

Concen: 11.645 ug/l

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU034471.D

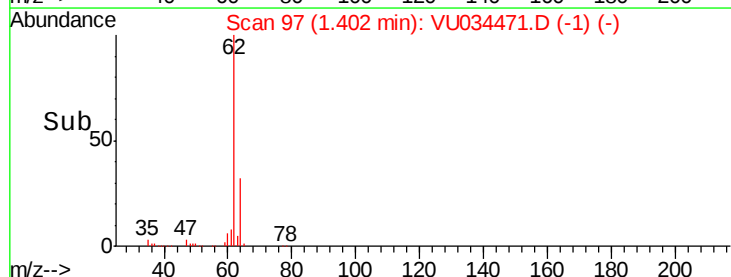
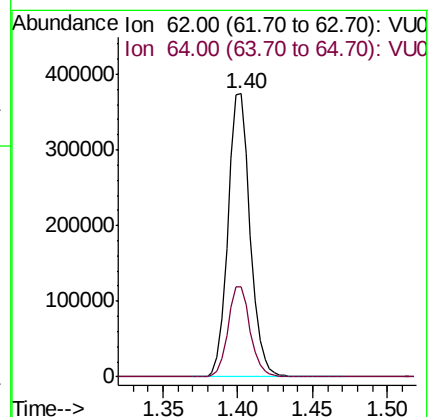
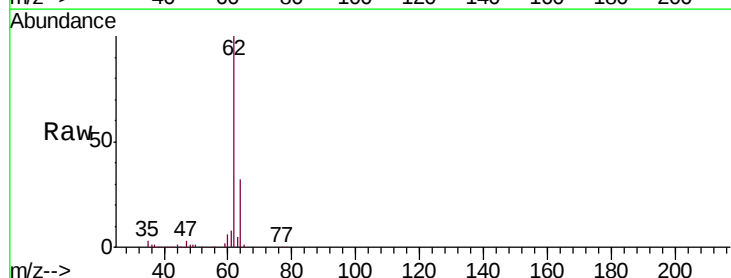
Acq: 11 Sep 2019 12:01

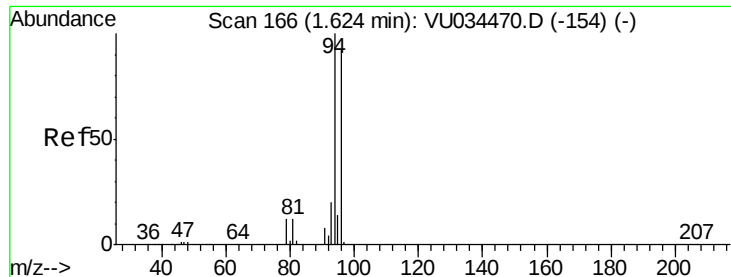
Tgt Ion: 62 Resp: 384359

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.0





#5

Bromomethane

Concen: 10.746 ug/l

RT: 1.62 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU034471.D

Acq: 11 Sep 2019 12:01

Instrument :

MSVOA_U

ClientSampleId :

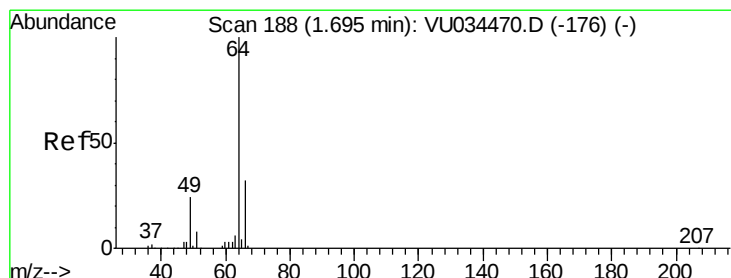
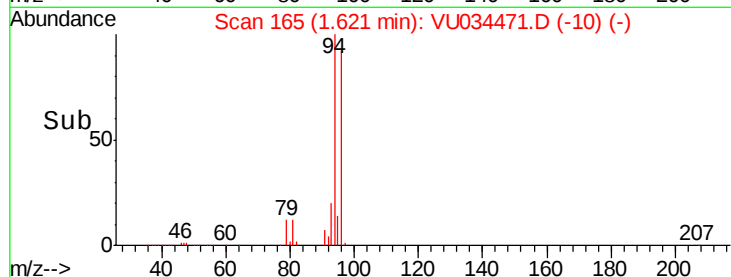
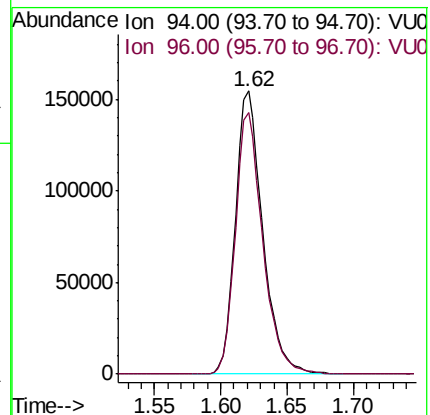
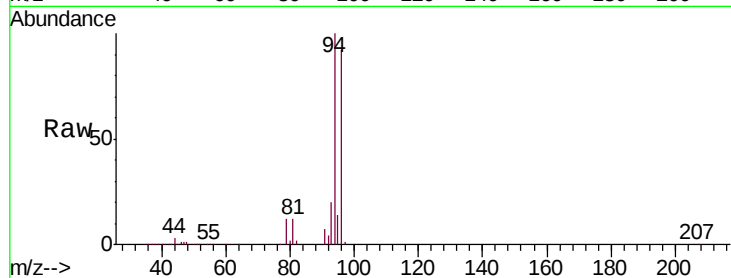
VSTDIC015

Tgt Ion: 94 Resp: 221260

Ion Ratio Lower Upper

94 100

96 92.4 73.8 110.8



#6

Chloroethane

Concen: 9.911 ug/l

RT: 1.69 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU034471.D

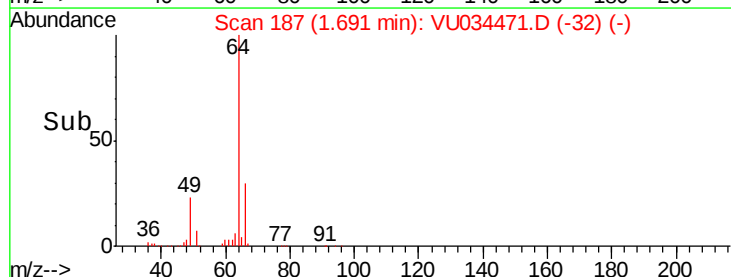
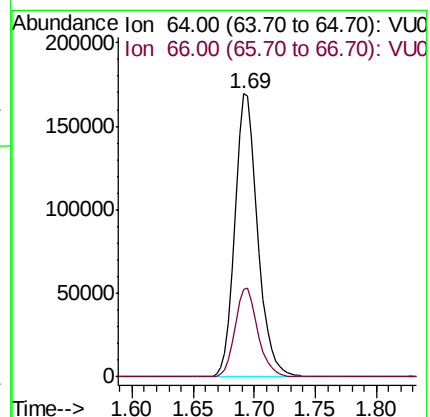
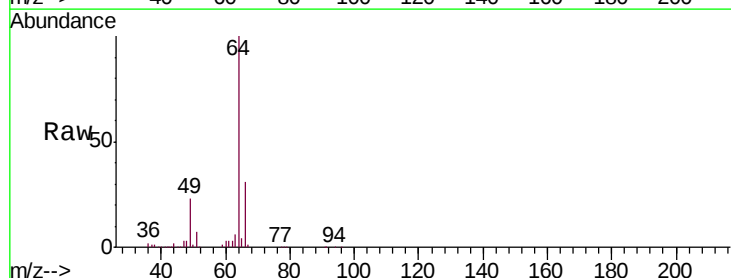
Acq: 11 Sep 2019 12:01

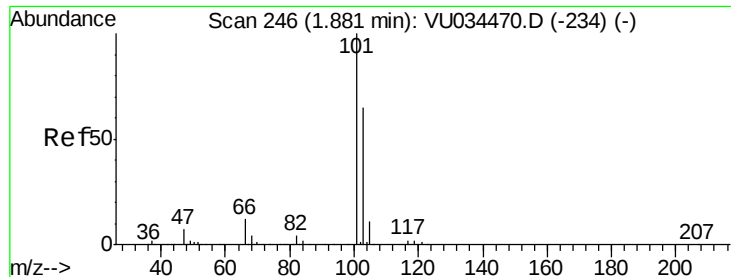
Tgt Ion: 64 Resp: 221387

Ion Ratio Lower Upper

64 100

66 31.2 25.8 38.8



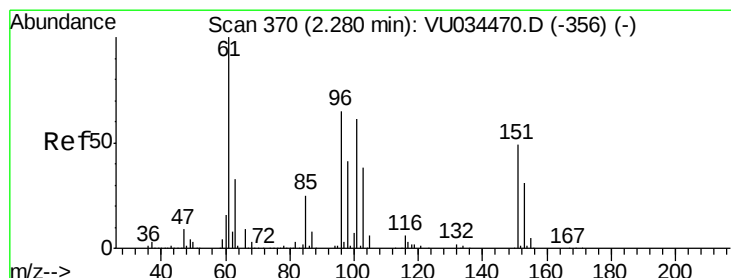
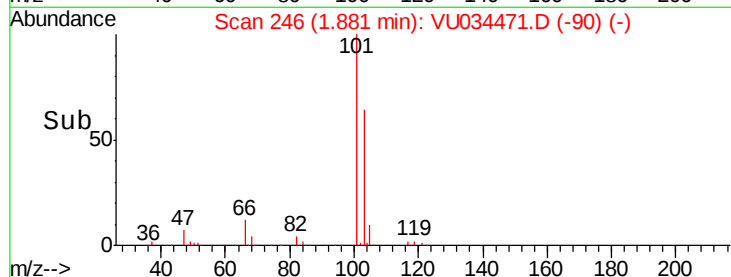
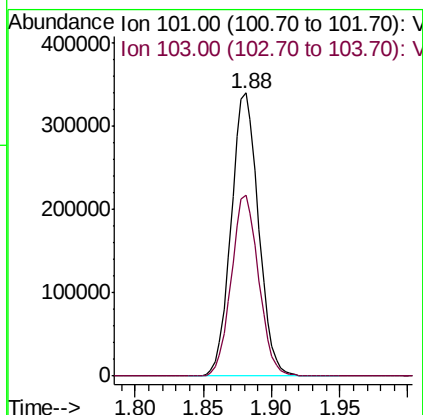
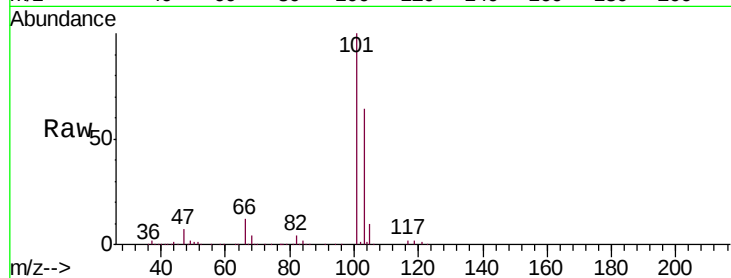


#7

Trichlorofluoromethane
 Concen: 10.642 ug/l
 RT: 1.88 min Scan# 246
 Delta R.T. 0.00 min
 Lab File: VU034471.D
 Acq: 11 Sep 2019 12:01

Instrument :
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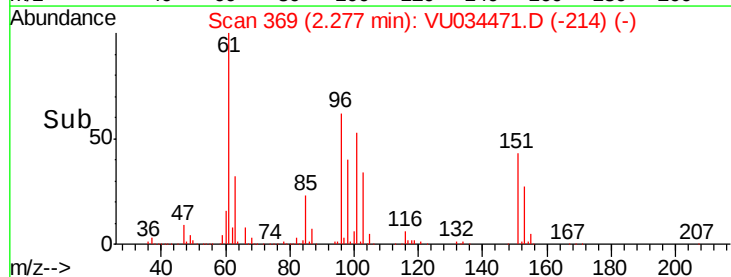
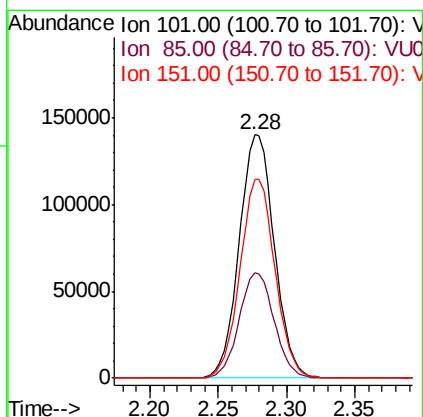
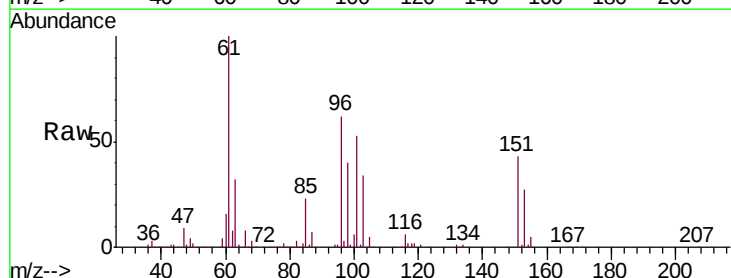
Tgt Ion:101 Resp: 475465
 Ion Ratio Lower Upper
 101 100
 103 64.0 52.2 78.4

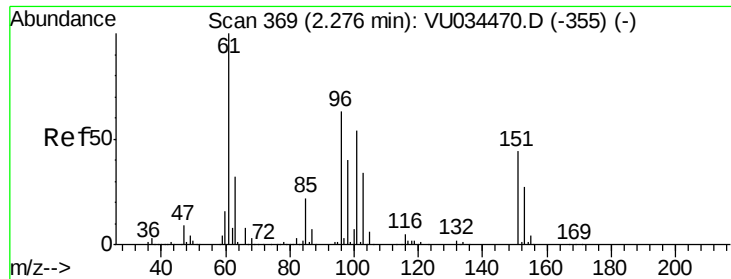


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 10.755 ug/l
 RT: 2.28 min Scan# 369
 Delta R.T. -0.00 min
 Lab File: VU034471.D
 Acq: 11 Sep 2019 12:01

Tgt Ion:101 Resp: 250115
 Ion Ratio Lower Upper
 101 100
 85 43.1 34.2 51.2
 151 81.4 65.2 97.8





#9

1,1-Dichloroethene

Concen: 11.052 ug/l

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU034471.D

Acq: 11 Sep 2019 12:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

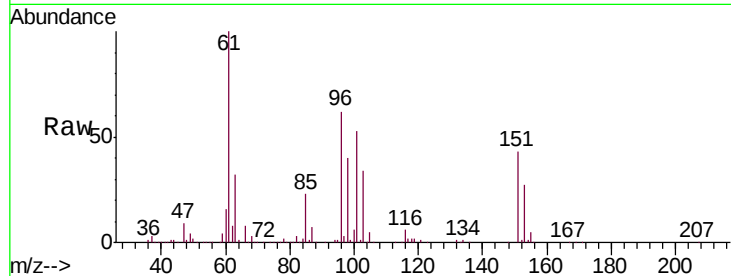
Tgt Ion: 96 Resp: 253376

Ion Ratio Lower Upper

96 100

61 160.6 0.0 475.5

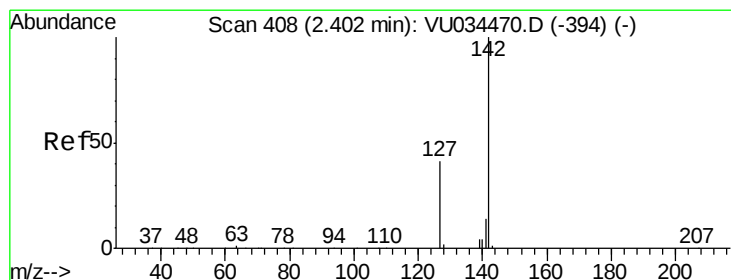
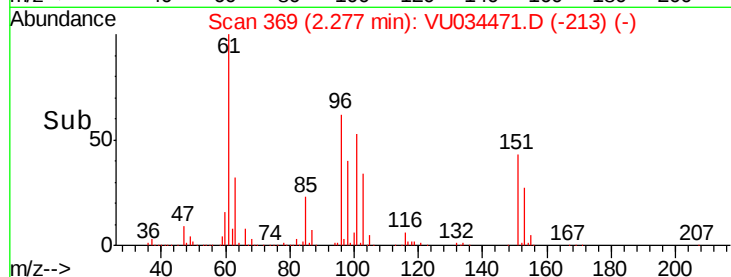
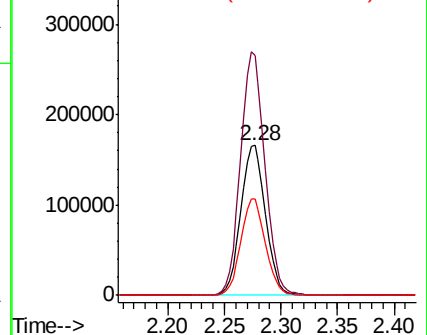
98 64.5 0.0 127.6



Abundance Ion 96.00 (95.70 to 96.70): VU034471.D (-213) (-)

Ion 61.00 (60.70 to 61.70): VU034471.D (-213) (-)

Ion 98.00 (97.70 to 98.70): VU034471.D (-213) (-)



#10

Iodomethane

Concen: 10.323 ug/l

RT: 2.40 min Scan# 408

Delta R.T. 0.00 min

Lab File: VU034471.D

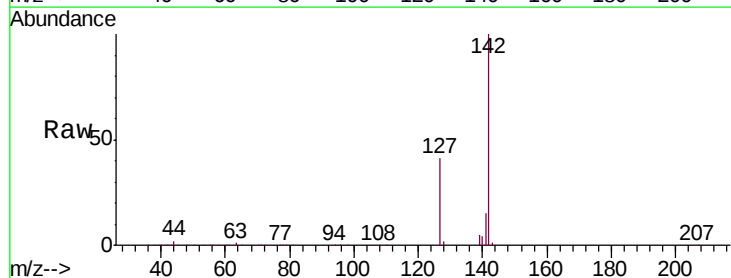
Acq: 11 Sep 2019 12:01

Tgt Ion: 142 Resp: 309301

Ion Ratio Lower Upper

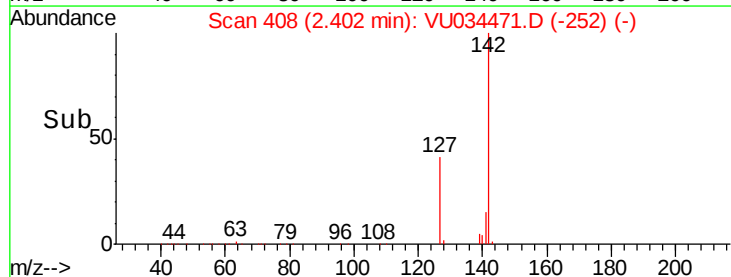
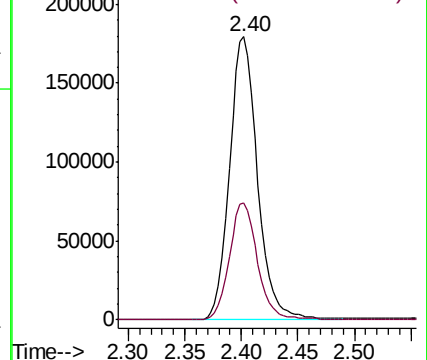
142 100

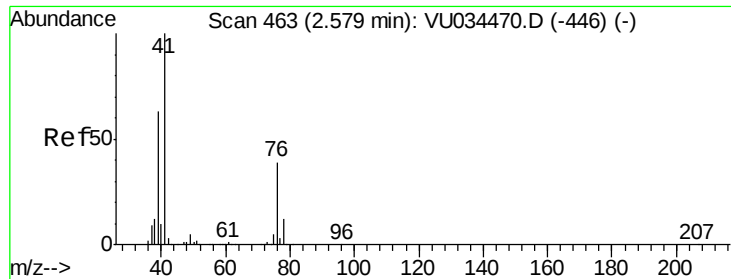
127 41.6 33.0 49.6



Abundance Ion 142.00 (141.70 to 142.70): VU034471.D (-252) (-)

Ion 127.00 (126.70 to 127.70): VU034471.D (-252) (-)





#11

Allyl Chloride

Concen: 11.219 ug/l

RT: 2.58 min Scan# 463

Delta R.T. 0.00 min

Lab File: VU034471.D

Acq: 11 Sep 2019 12:01

Instrument :

MSVOA_U

ClientSampleId :

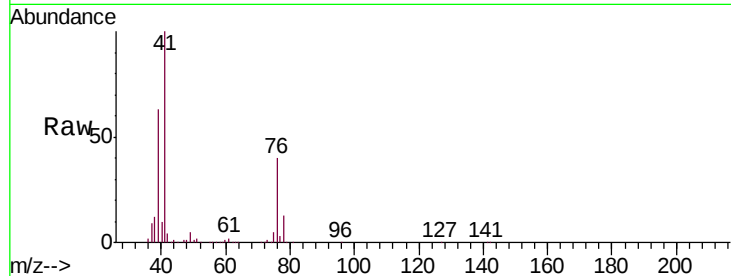
VSTDIC015

Tgt Ion: 41 Resp: 424245

Ion Ratio Lower Upper

41 100

39 63.1 50.2 75.2



Abundance Ion 41.00 (40.70 to 41.70): VU034471.D (-414) (-)

Ion 39.00 (38.70 to 39.70): VU034471.D (-307) (-)

2.58

250000

200000

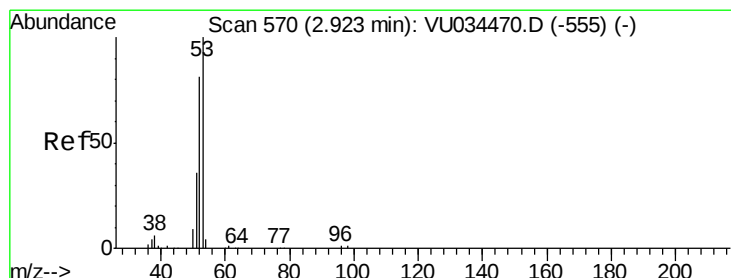
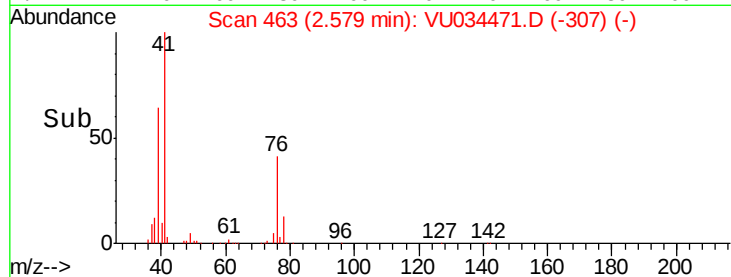
150000

100000

50000

0

Time-->



#12

Acrylonitrile

Concen: 17.156 ug/l

RT: 2.92 min Scan# 570

Delta R.T. 0.00 min

Lab File: VU034471.D

Acq: 11 Sep 2019 12:01

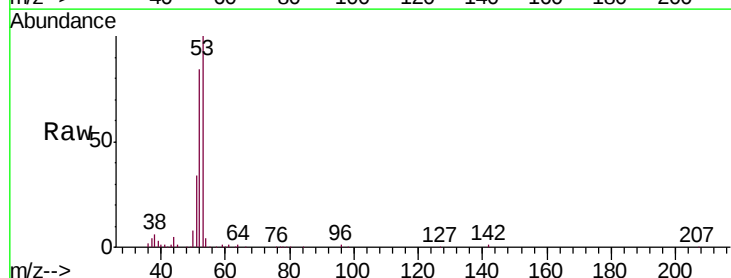
Tgt Ion: 53 Resp: 106771

Ion Ratio Lower Upper

53 100

52 86.8 66.9 100.3

51 34.2 28.4 42.6



Abundance Ion 53.00 (52.70 to 53.70): VU034471.D (-414) (-)

Ion 52.00 (51.70 to 52.70): VU034471.D (-307) (-)

Ion 51.00 (50.70 to 51.70): VU034471.D (-414) (-)

2.92

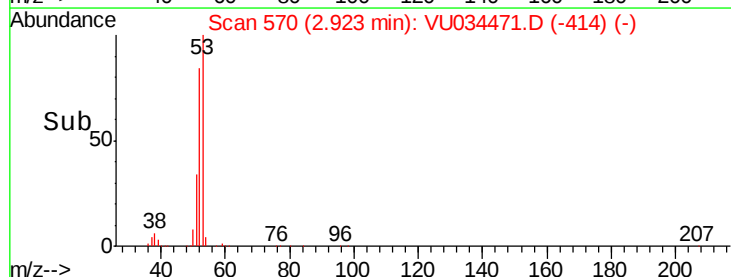
60000

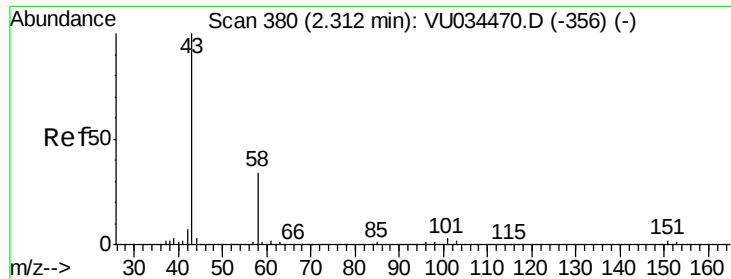
40000

20000

0

Time-->





#13

Acetone

Concen: 40.248 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034471.D

Acq: 11 Sep 2019 12:01

Instrument :

MSVOA_U

ClientSampleId :

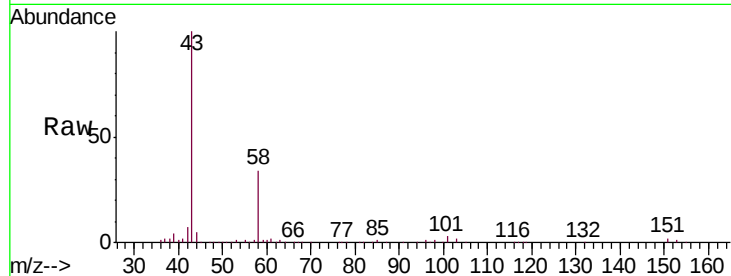
VSTDIC015

Tgt Ion: 43 Resp: 214561

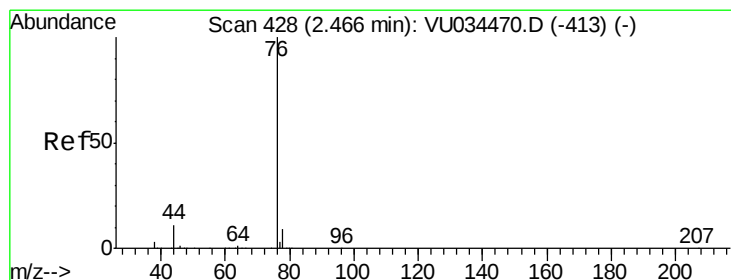
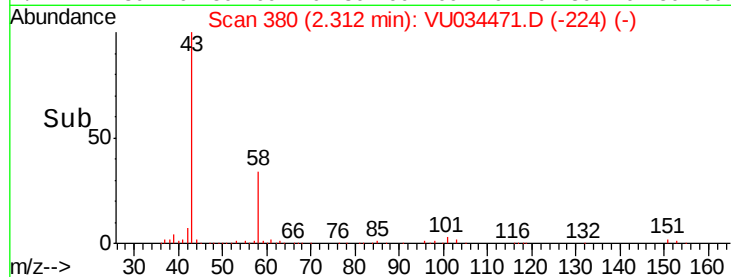
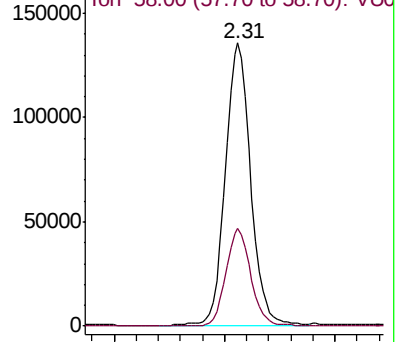
Ion Ratio Lower Upper

43 100

58 34.3 26.9 40.3



Abundance Ion 43.00 (42.70 to 43.70): VU034471.D (-224) (-)



#14

Carbon Disulfide

Concen: 10.439 ug/l

RT: 2.47 min Scan# 428

Delta R.T. 0.00 min

Lab File: VU034471.D

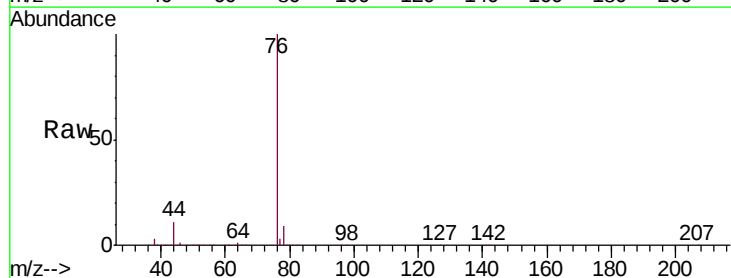
Acq: 11 Sep 2019 12:01

Tgt Ion: 76 Resp: 902238

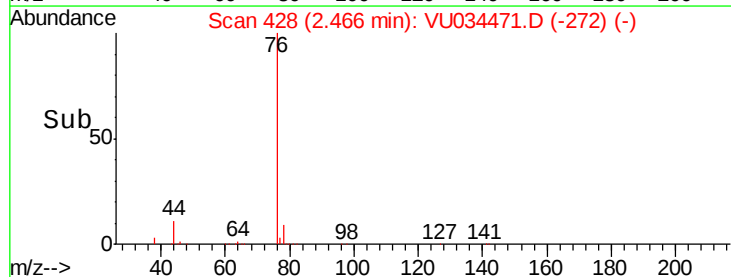
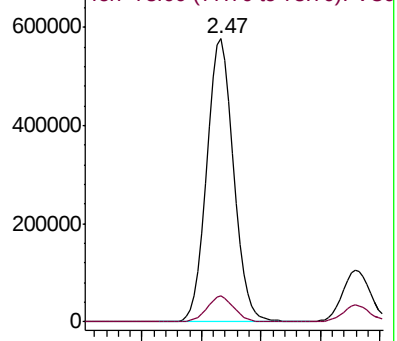
Ion Ratio Lower Upper

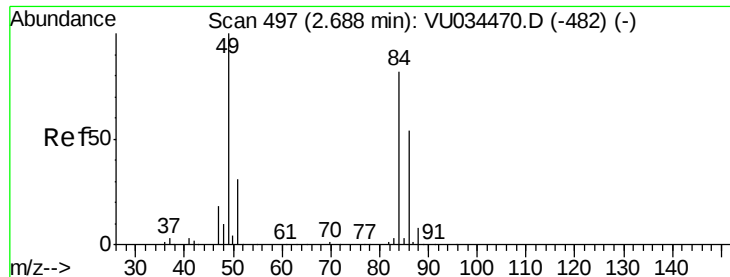
76 100

78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU034471.D (-272) (-)

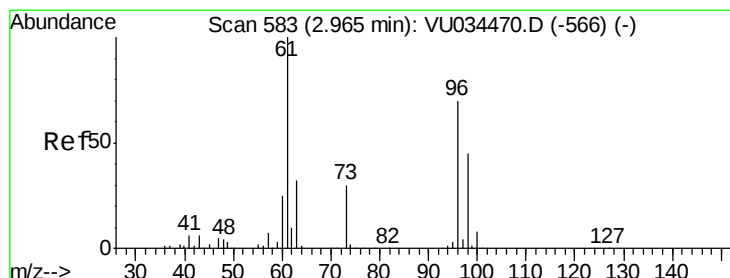
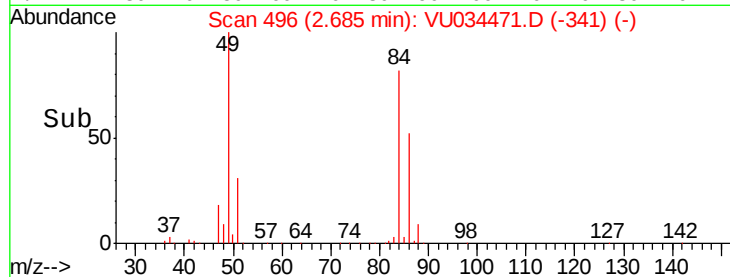
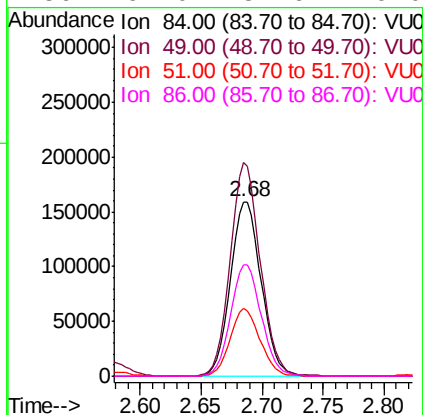
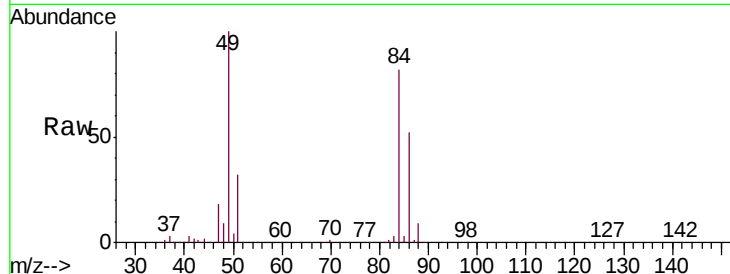




#15
Methylene Chloride
Concen: 9.132 ug/l
RT: 2.68 min Scan# 496
Delta R.T. -0.00 min
Lab File: VU034471.D
Acq: 11 Sep 2019 12:01

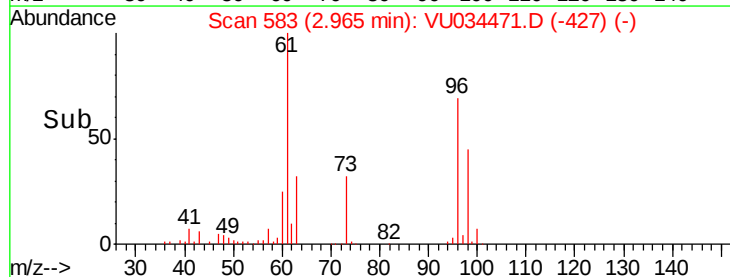
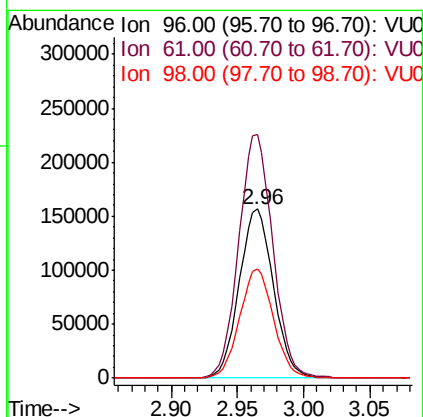
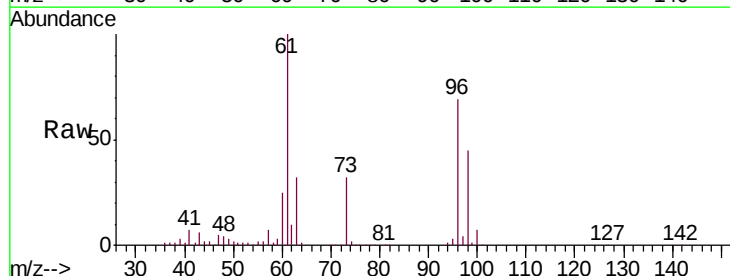
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

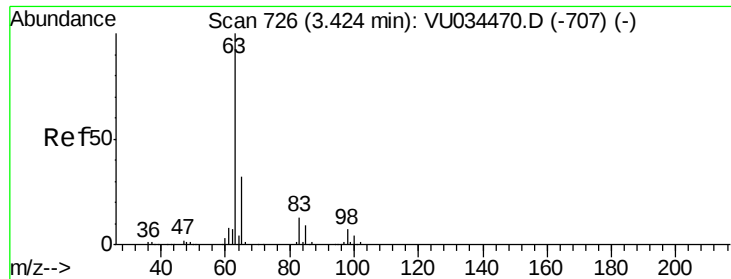
Tgt Ion:	84	Resp:	279864
Ion	Ratio	Lower	Upper
84	100		
49	122.5	97.8	146.6
51	38.7	0.0	76.4
86	64.0	52.6	79.0



#16
trans-1,2-Dichloroethene
Concen: 10.430 ug/l
RT: 2.96 min Scan# 583
Delta R.T. 0.00 min
Lab File: VU034471.D
Acq: 11 Sep 2019 12:01

Tgt Ion:	96	Resp:	282297
Ion	Ratio	Lower	Upper
96	100		
61	144.2	114.5	171.7
98	64.8	51.2	76.8





#17

1,1-Dichloroethane

Concen: 14.351 ug/l

RT: 3.42 min Scan# 726

Delta R.T. 0.00 min

Lab File: VU034471.D

Acq: 11 Sep 2019 12:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

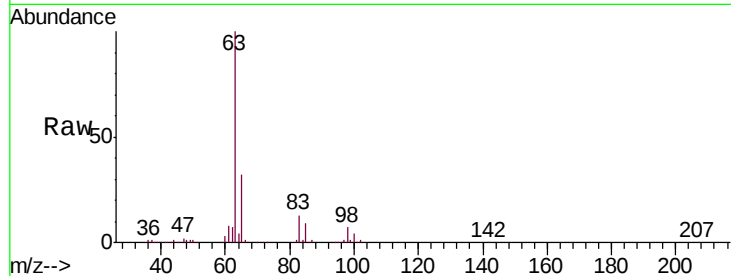
Tgt Ion: 63 Resp: 548310

Ion Ratio Lower Upper

63 100

98 6.5 3.5 10.4

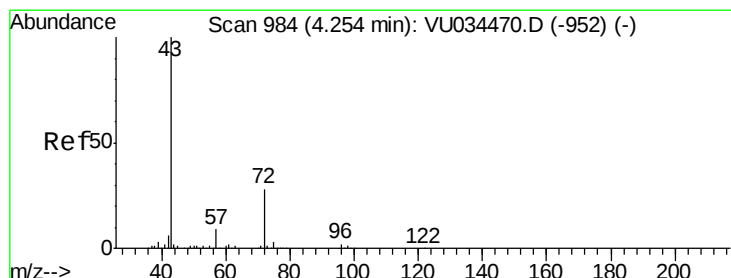
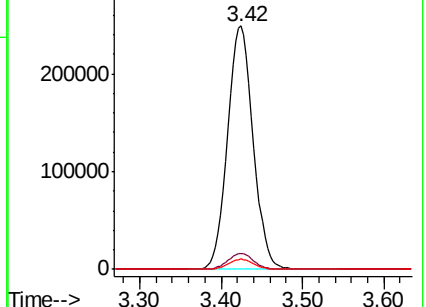
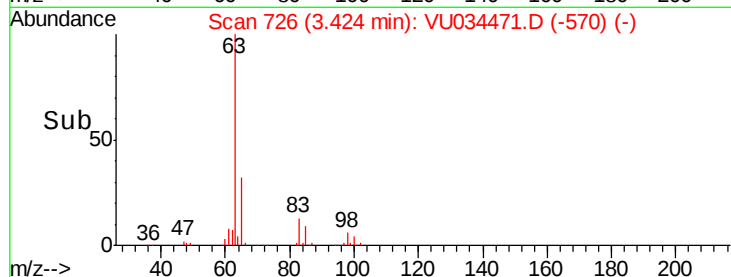
100 4.2 2.3 6.8



Abundance Ion 63.00 (62.70 to 63.70): VU034471.D (-570) (-)

Ion 98.00 (97.70 to 98.70): VU034471.D (-570) (-)

Ion 100.00 (99.70 to 100.70): VU034471.D (-570) (-)



#18

2-Butanone

Concen: 69.321 ug/l

RT: 4.25 min Scan# 984

Delta R.T. 0.00 min

Lab File: VU034471.D

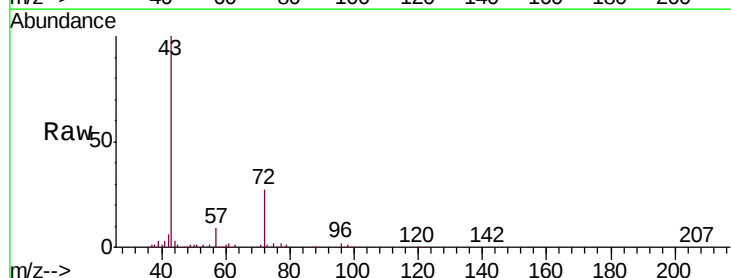
Acq: 11 Sep 2019 12:01

Tgt Ion: 43 Resp: 366834

Ion Ratio Lower Upper

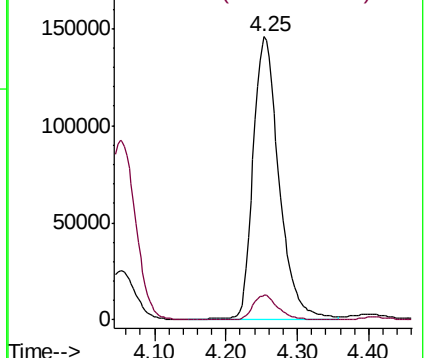
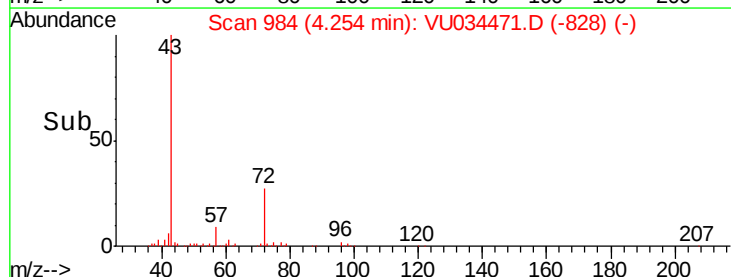
43 100

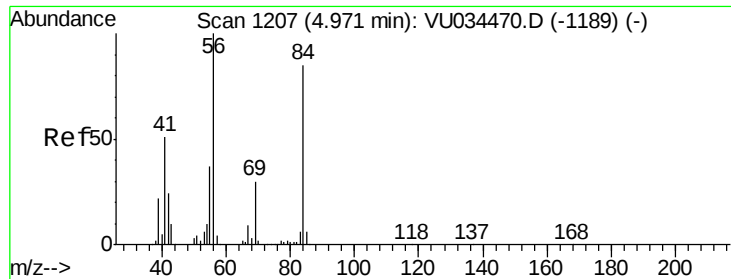
57 8.5 0.0 17.8



Abundance Ion 43.00 (42.70 to 43.70): VU034471.D (-828) (-)

Ion 57.00 (56.70 to 57.70): VU034471.D (-828) (-)

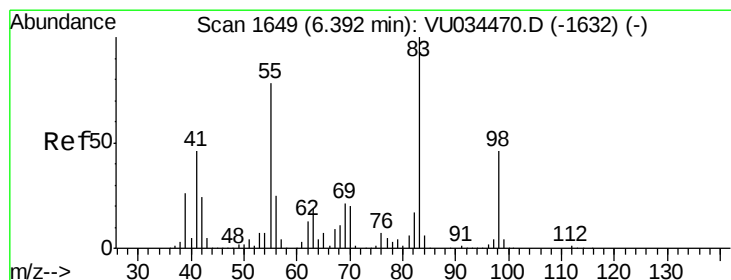
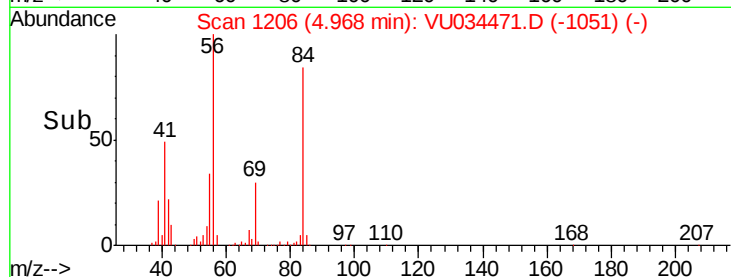
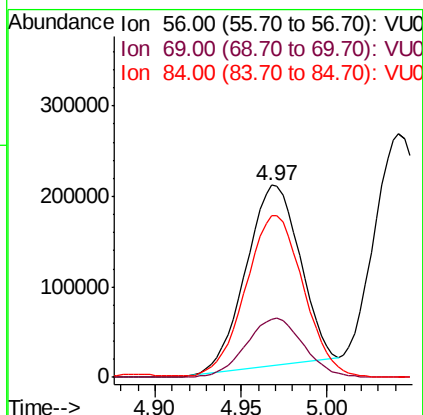
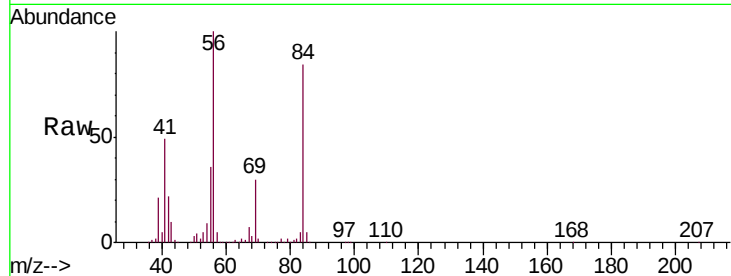




#19
Cyclohexane
Concen: 15.323 ug/l
RT: 4.97 min Scan# 1206
Delta R.T. -0.00 min
Lab File: VU034471.D
Acq: 11 Sep 2019 12:01

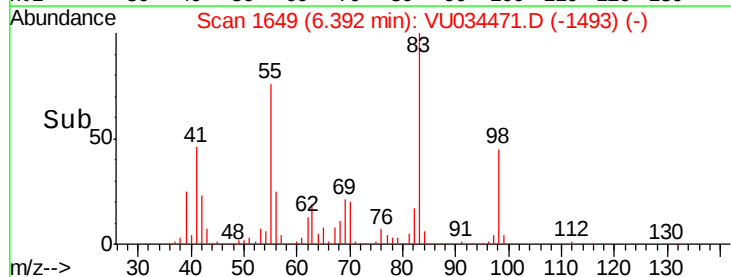
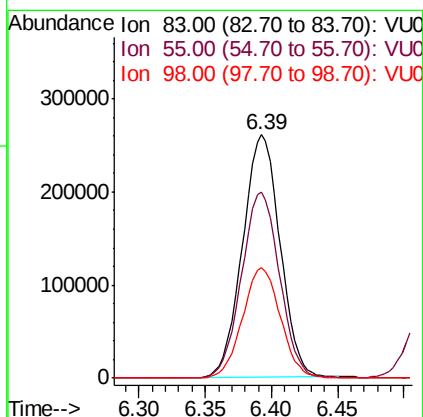
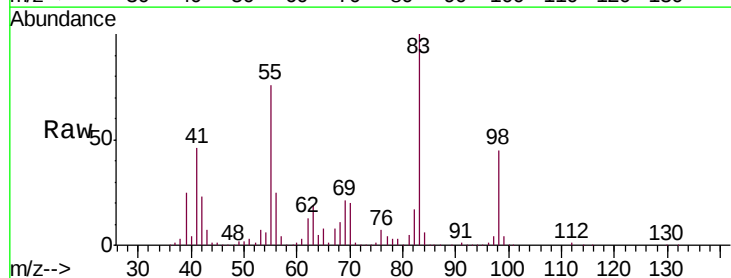
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

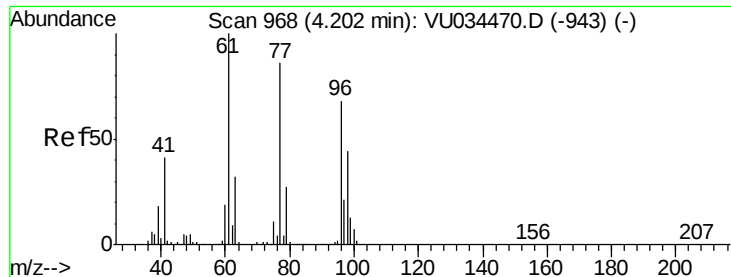
Tgt Ion: 56 Resp: 435058
Ion Ratio Lower Upper
56 100
69 35.0 24.4 36.6
84 95.4 66.9 100.3



#20
Methylcyclohexane
Concen: 17.971 ug/l
RT: 6.39 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VU034471.D
Acq: 11 Sep 2019 12:01

Tgt Ion: 83 Resp: 513964
Ion Ratio Lower Upper
83 100
55 77.3 61.7 92.5
98 45.8 36.0 54.0





#21

2,2-Dichloropropane

Concen: 13.601 ug/l

RT: 4.20 min Scan# 967

Delta R.T. -0.00 min

Lab File: VU034471.D

Acq: 11 Sep 2019 12:01

Instrument :

MSVOA_U

ClientSampleId :

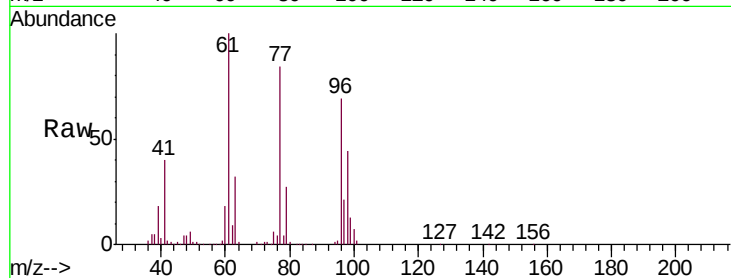
VSTDIC015

Tgt Ion: 77 Resp: 441349

Ion Ratio Lower Upper

77 100

97 23.9 18.9 28.3



Abundance Ion 77.00 (76.70 to 77.70): VU034471.D (-812) (-)

Ion 97.00 (96.70 to 97.70): VU034471.D (-812) (-)

4.20

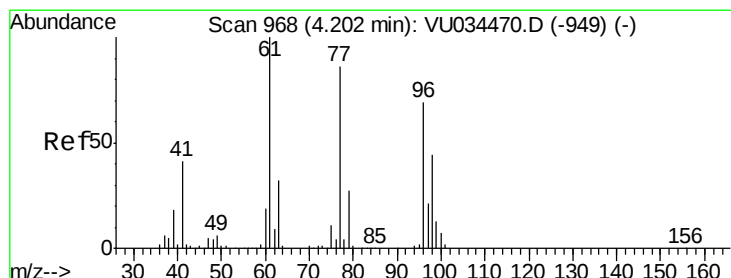
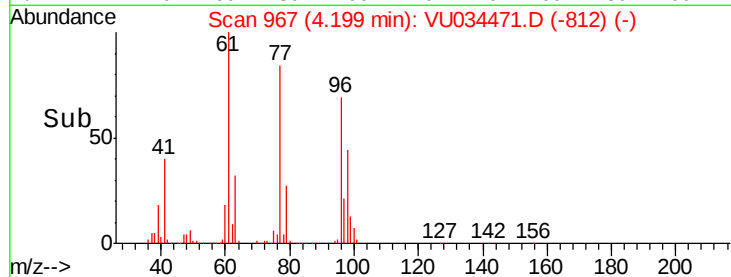
150000

100000

50000

0

Time-->



#22

cis-1,2-Dichloroethene

Concen: 15.123 ug/l

RT: 4.20 min Scan# 967

Delta R.T. -0.00 min

Lab File: VU034471.D

Acq: 11 Sep 2019 12:01

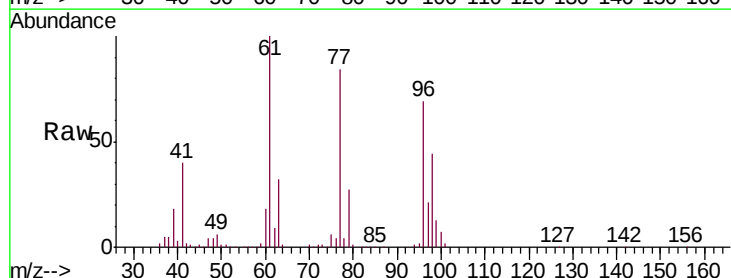
Tgt Ion: 96 Resp: 325796

Ion Ratio Lower Upper

96 100

61 146.6 0.0 369.5

98 65.0 32.4 97.2



Abundance Ion 96.00 (95.70 to 96.70): VU034471.D (-812) (-)

Ion 61.00 (60.70 to 61.70): VU034471.D (-812) (-)

Ion 98.00 (97.70 to 98.70): VU034471.D (-812) (-)

4.20

250000

200000

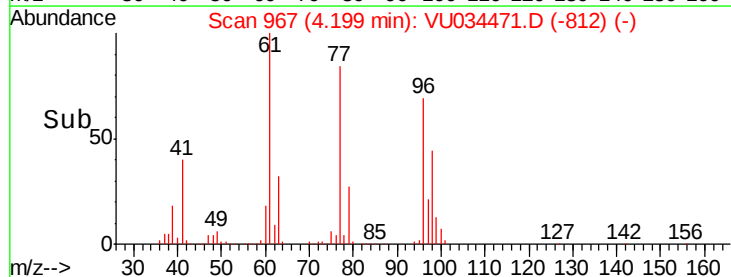
150000

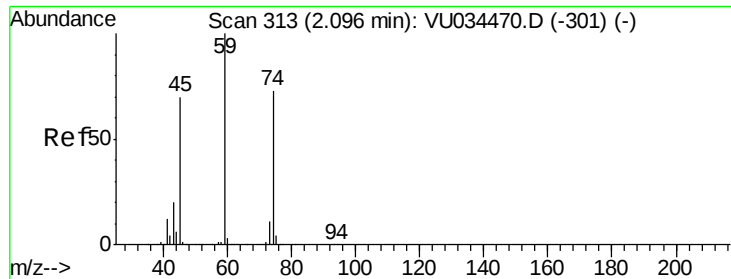
100000

50000

0

Time-->

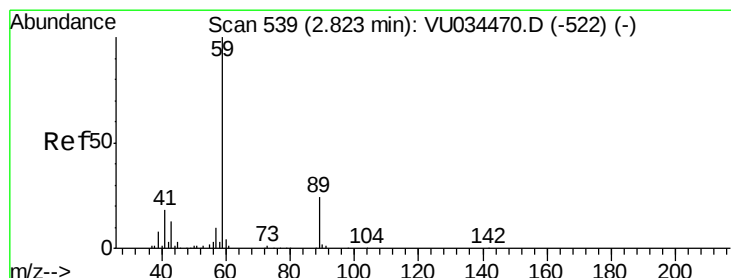
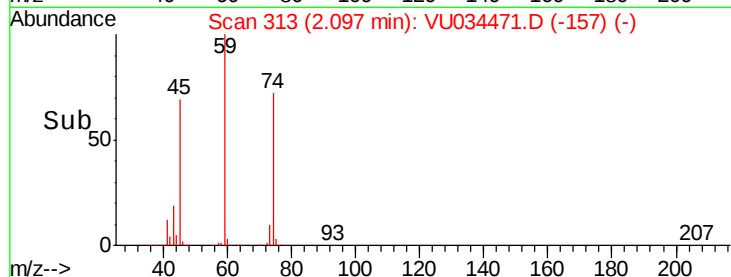
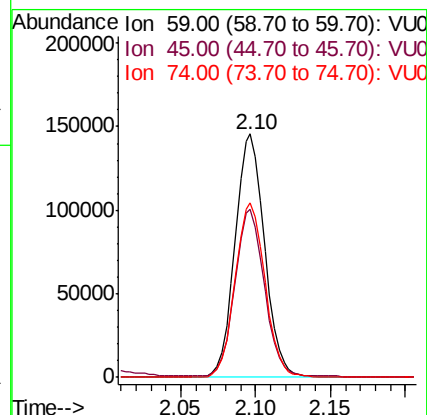
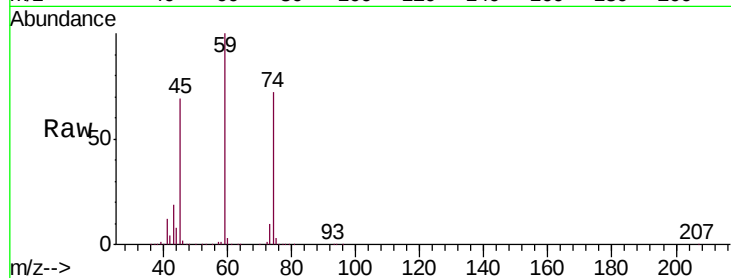




#23
Diethyl Ether
Concen: 10.303 ug/l
RT: 2.10 min Scan# 313
Delta R.T. 0.00 min
Lab File: VU034471.D
Acq: 11 Sep 2019 12:01

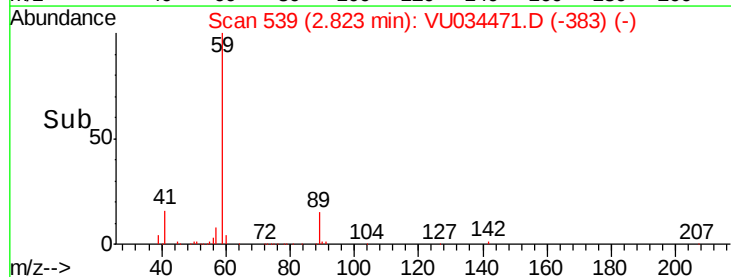
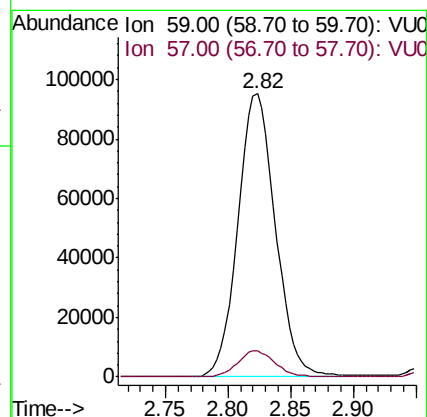
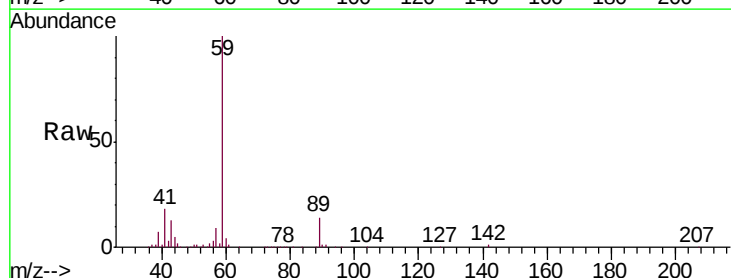
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

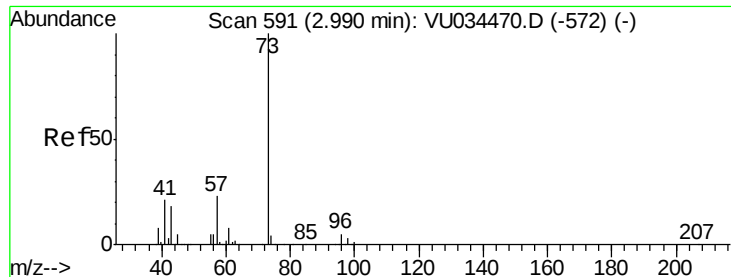
Tgt Ion: 59 Resp: 199575
Ion Ratio Lower Upper
59 100
45 69.2 56.3 84.5
74 72.9 58.2 87.2



#24
tert-Butyl Alcohol
Concen: 67.219 ug/l
RT: 2.82 min Scan# 539
Delta R.T. 0.00 min
Lab File: VU034471.D
Acq: 11 Sep 2019 12:01

Tgt Ion: 59 Resp: 197812
Ion Ratio Lower Upper
59 100
57 9.3 7.3 10.9





#25

Methyl tert-Butyl Ether

Concen: 9.597 ug/l

RT: 2.99 min Scan# 590

Delta R.T. -0.00 min

Lab File: VU034471.D

Acq: 11 Sep 2019 12:01

Instrument :

MSVOA_U

ClientSampleId :

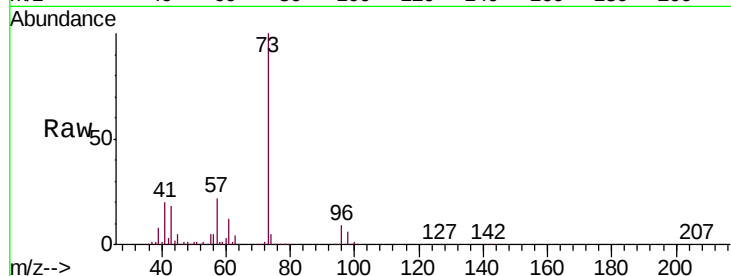
VSTDIC015

Tgt Ion: 73 Resp: 618672

Ion Ratio Lower Upper

73 100

43 18.3 14.4 21.6



Abundance Ion 73.00 (72.70 to 73.70): VU034471.D (-435) (-)

Ion 43.00 (42.70 to 43.70): VU034471.D (-435) (-)

2.99

300000

200000

100000

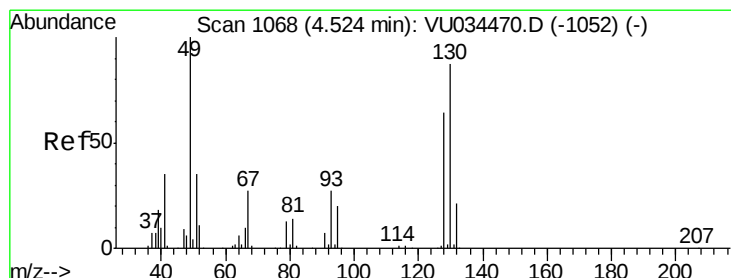
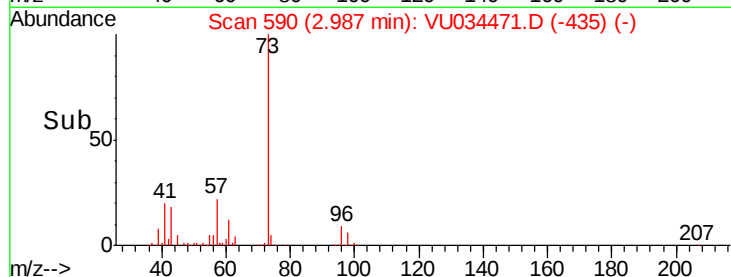
0

Time-->

2.90

3.00

3.10



#26

Bromochloromethane

Concen: 13.929 ug/l

RT: 4.52 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VU034471.D

Acq: 11 Sep 2019 12:01

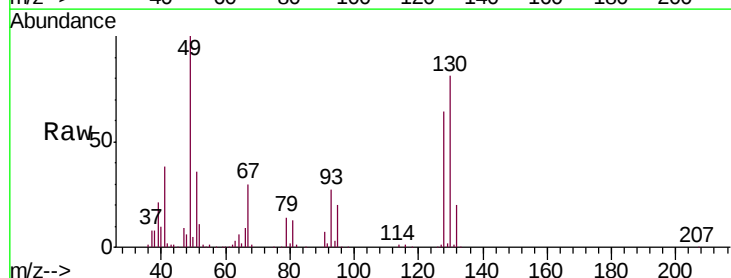
Tgt Ion: 128 Resp: 130750

Ion Ratio Lower Upper

128 100

49 156.7 0.0 309.8

130 129.3 105.0 157.6



Abundance Ion 128.00 (127.70 to 128.70): VU034471.D (-912) (-)

Ion 49.00 (48.70 to 49.70): VU034471.D (-912) (-)

Ion 130.00 (129.70 to 130.70): VU034471.D (-912) (-)

120000

100000

80000

60000

40000

20000

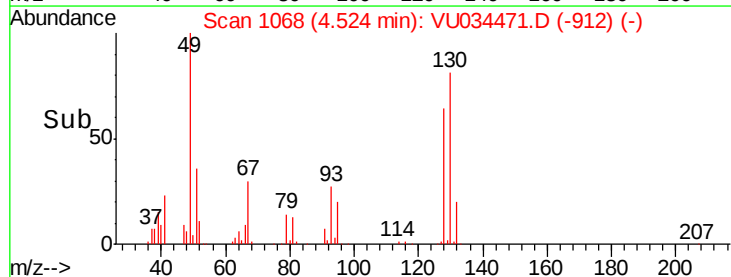
0

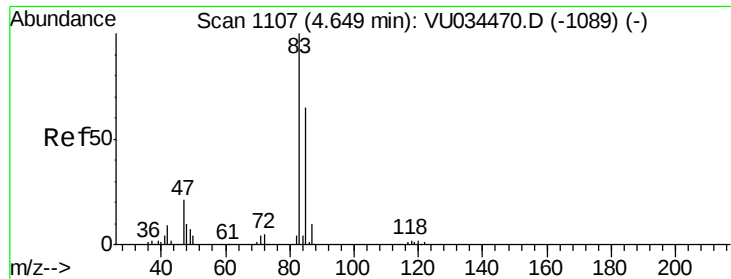
Time-->

4.40

4.50

4.60

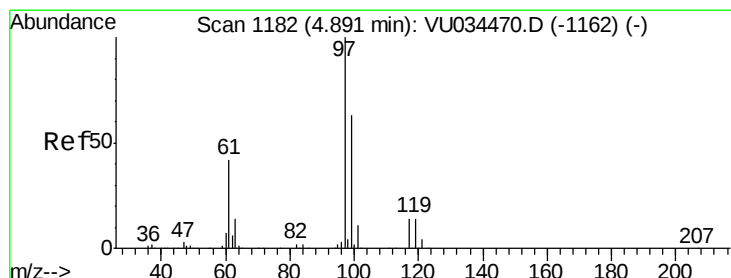
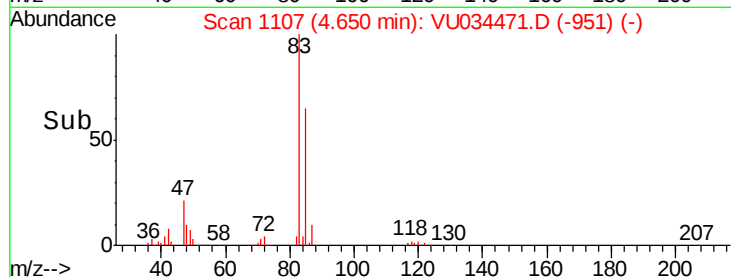
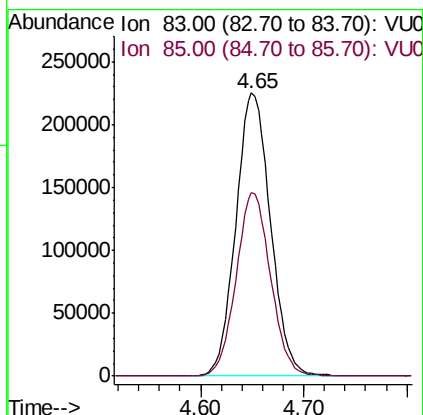
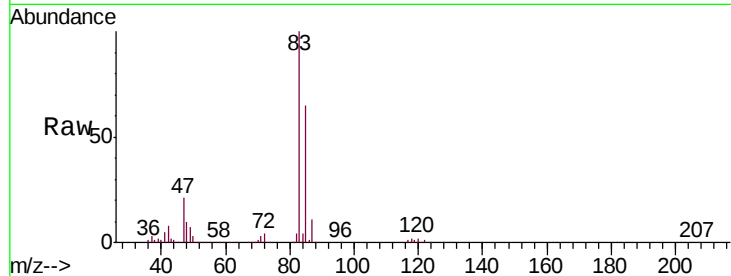




#27
Chloroform
Concen: 12.247 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034471.D
Acq: 11 Sep 2019 12:01

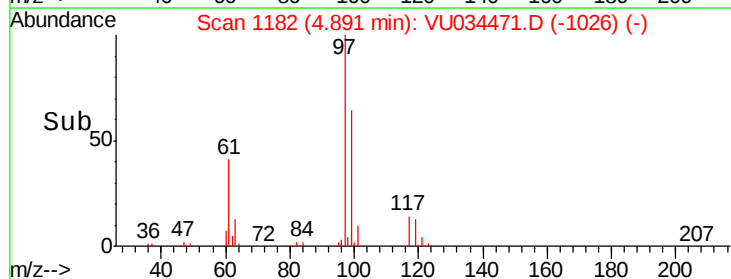
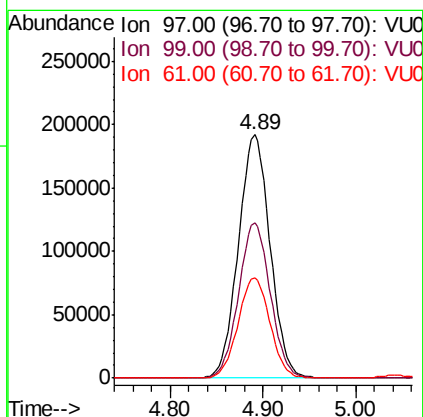
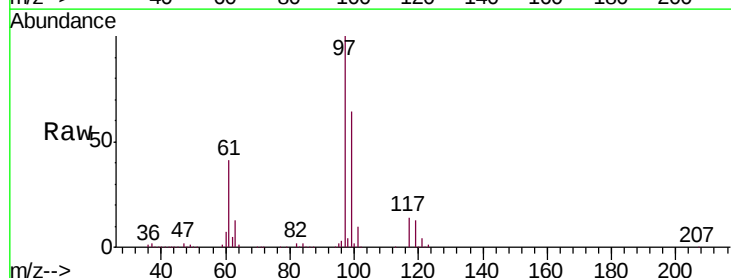
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

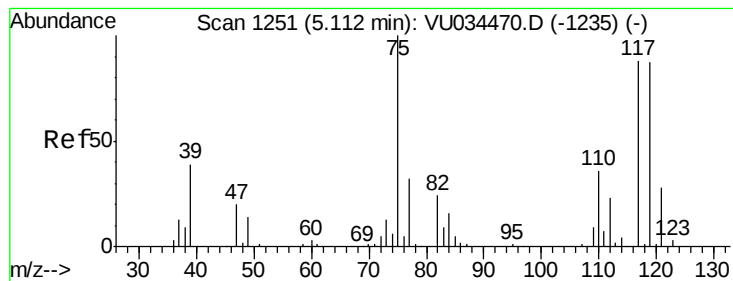
Tgt Ion: 83 Resp: 526515
Ion Ratio Lower Upper
83 100
85 65.0 0.0 130.2



#28
1,1,1-Trichloroethane
Concen: 13.736 ug/l
RT: 4.89 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU034471.D
Acq: 11 Sep 2019 12:01

Tgt Ion: 97 Resp: 456560
Ion Ratio Lower Upper
97 100
99 63.8 32.0 96.2
61 41.5 21.4 64.3





#29

1,1-Dichloropropene

Concen: 15.090 ug/l

RT: 5.11 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VU034471.D

Acq: 11 Sep 2019 12:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

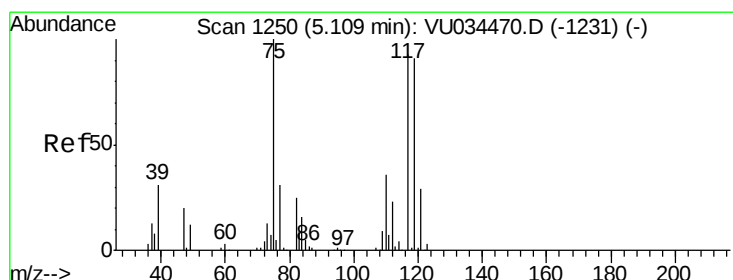
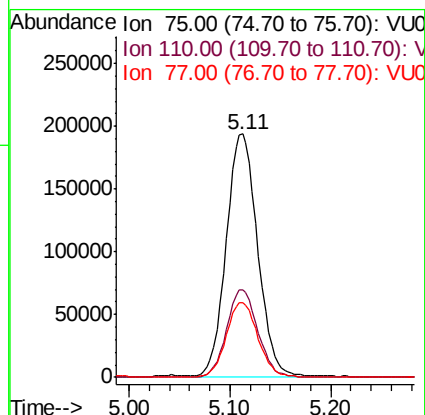
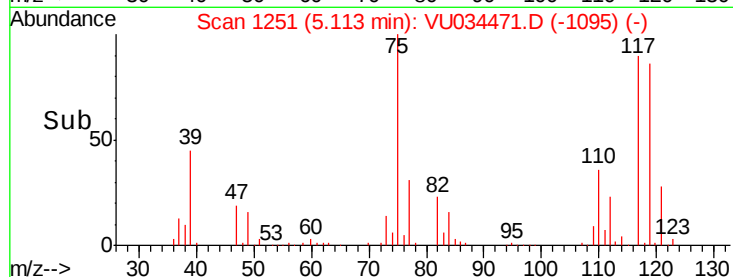
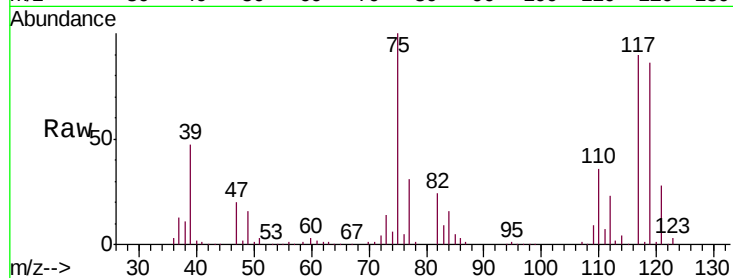
Tgt Ion: 75 Resp: 416651

Ion Ratio Lower Upper

75 100

110 36.5 18.4 55.2

77 30.8 25.0 37.6



#30

Carbon Tetrachloride

Concen: 13.882 ug/l

RT: 5.11 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VU034471.D

Acq: 11 Sep 2019 12:01

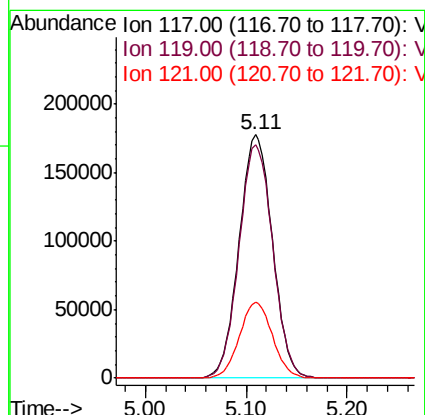
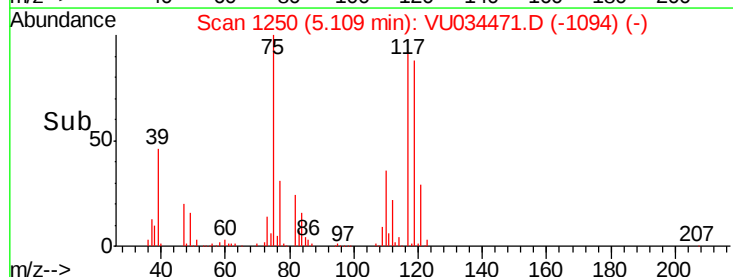
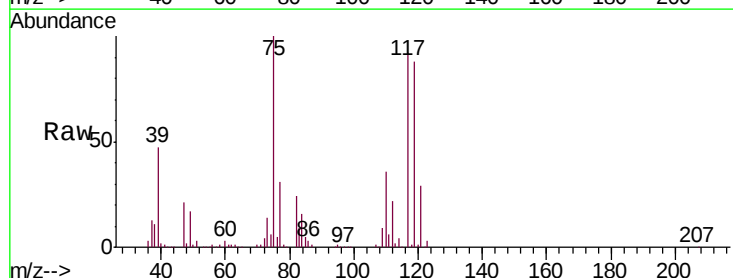
Tgt Ion: 117 Resp: 407641

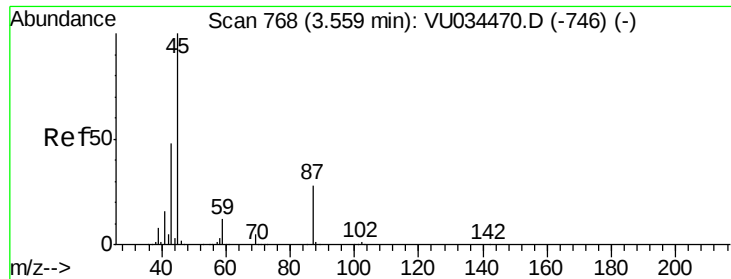
Ion Ratio Lower Upper

117 100

119 95.8 78.5 117.7

121 31.1 25.3 37.9





#31

Isopropyl Ether

Concen: 17.114 ug/l

RT: 3.56 min Scan# 768

Delta R.T. 0.00 min

Lab File: VU034471.D

Acq: 11 Sep 2019 12:01

Instrument :

MSVOA_U

ClientSampleId :

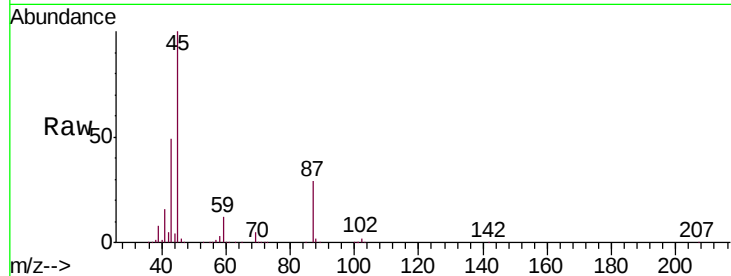
VSTDIC015

Tgt Ion: 45 Resp: 844440

Ion Ratio Lower Upper

45 100

43 48.6 24.8 74.3



Abundance Ion 45.00 (44.70 to 45.70): VU034471.D (-612) (-)

Ion 43.00 (42.70 to 43.70): VU034471.D (-612) (-)

3.56

400000

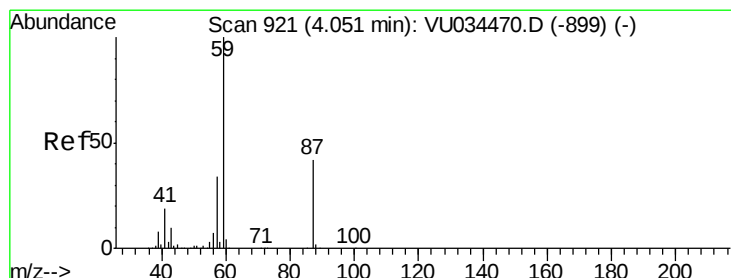
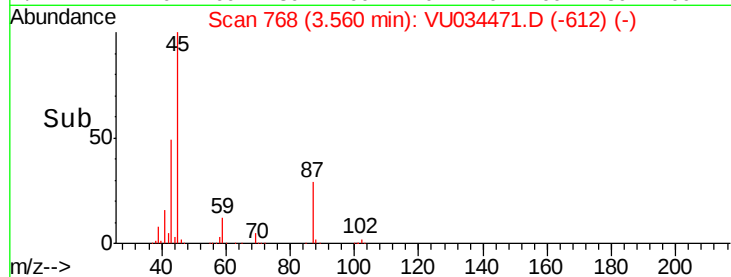
300000

200000

100000

0

Time-->



#32

Ethyl-t-butyl ether

Concen: 16.294 ug/l

RT: 4.05 min Scan# 921

Delta R.T. 0.00 min

Lab File: VU034471.D

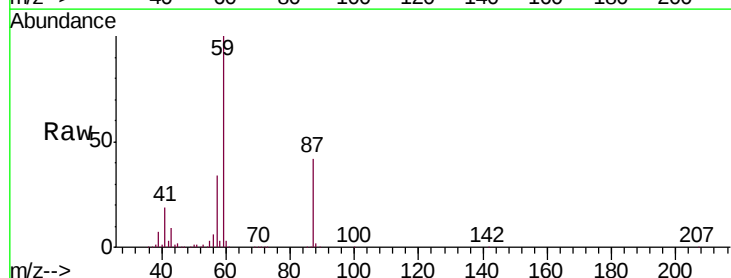
Acq: 11 Sep 2019 12:01

Tgt Ion: 59 Resp: 755926

Ion Ratio Lower Upper

59 100

87 42.3 33.6 50.4



Abundance Ion 59.00 (58.70 to 59.70): VU034471.D (-765) (-)

Ion 87.00 (86.70 to 87.70): VU034471.D (-765) (-)

4.05

300000

250000

200000

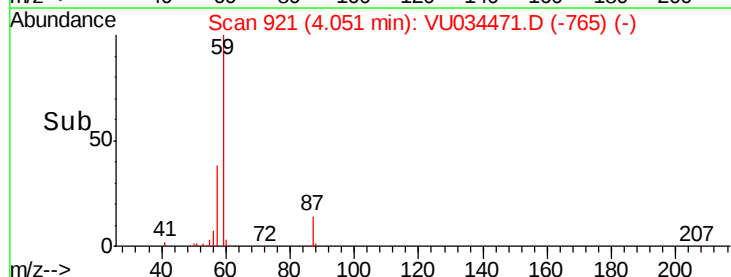
150000

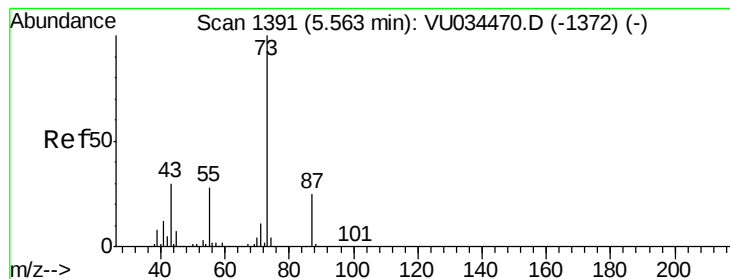
100000

50000

0

Time-->



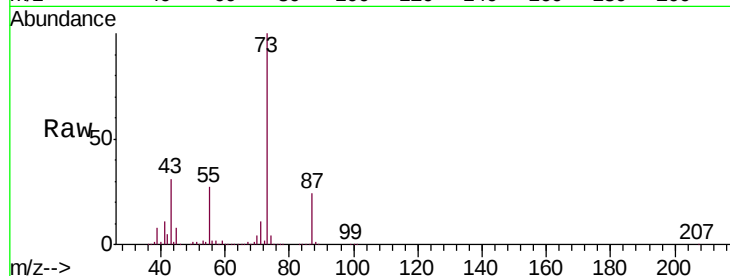


#33

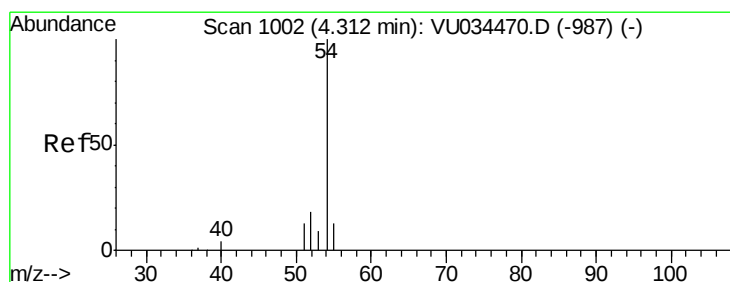
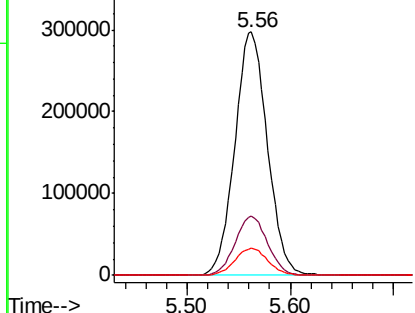
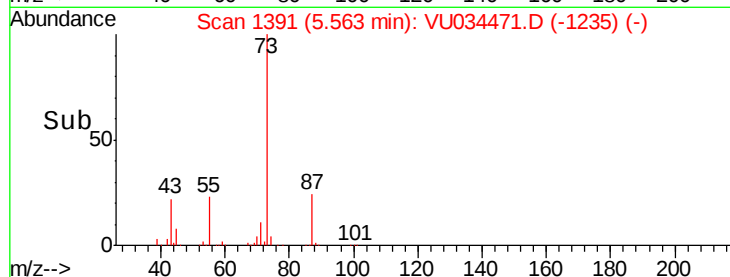
Tert-Amyl methyl ether
 Concen: 15.852 ug/l
 RT: 5.56 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VU034471.D
 Acq: 11 Sep 2019 12:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tgt Ion: 73 Resp: 649230
 Ion Ratio Lower Upper
 73 100
 87 24.4 19.4 29.0
 71 11.5 9.3 13.9



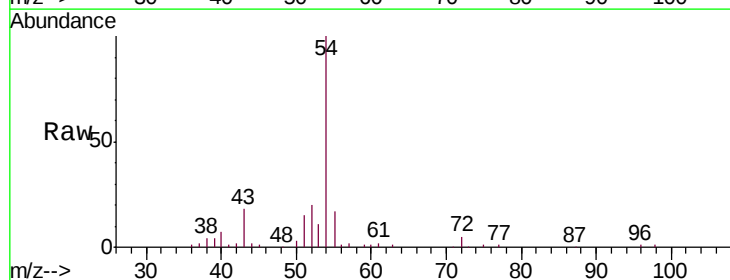
Abundance Ion 73.00 (72.70 to 73.70): VU0
 Ion 87.00 (86.70 to 87.70): VU0
 Ion 71.00 (70.70 to 71.70): VU0



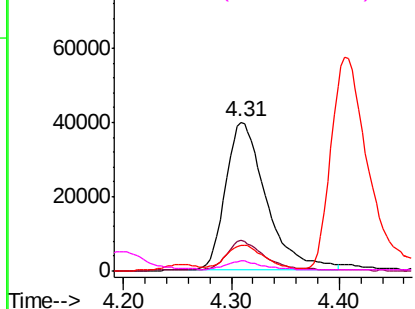
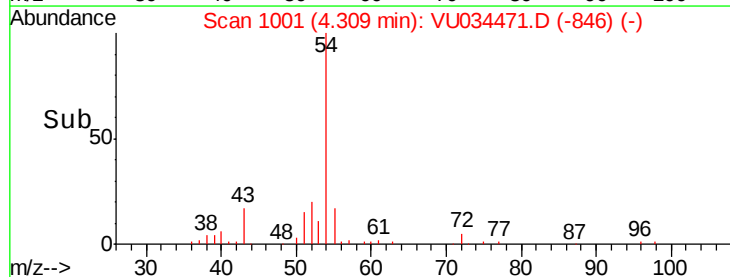
#34

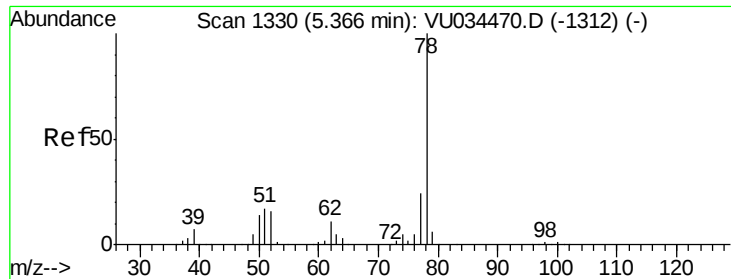
Propionitrile
 Concen: 69.313 ug/l
 RT: 4.31 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VU034471.D
 Acq: 11 Sep 2019 12:01

Tgt Ion: 54 Resp: 103689
 Ion Ratio Lower Upper
 54 100
 52 18.9 14.1 21.1
 55 16.4 13.3 19.9
 40 5.4 3.8 5.8



Abundance Ion 54.00 (53.70 to 54.70): VU0
 Ion 52.00 (51.70 to 52.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 40.00 (39.70 to 40.70): VU0





#35

Benzene

Concen: 15.112 ug/l

RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VU034471.D

Acq: 11 Sep 2019 12:01

Instrument :

MSVOA_U

ClientSampleId :

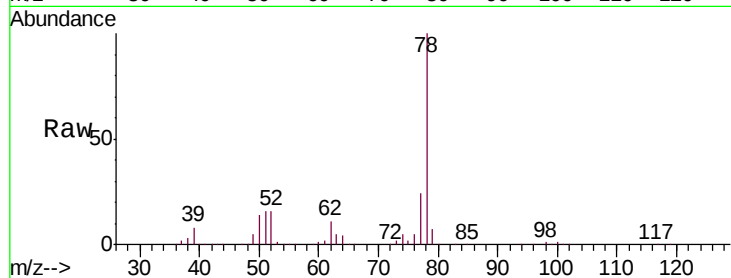
VSTDIC015

Tgt Ion: 78 Resp: 1212179

Ion Ratio Lower Upper

78 100

77 23.5 19.3 28.9



Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 77.00 (76.70 to 77.70): VU0

5.37

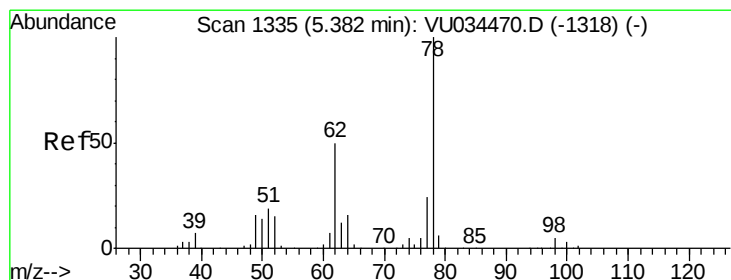
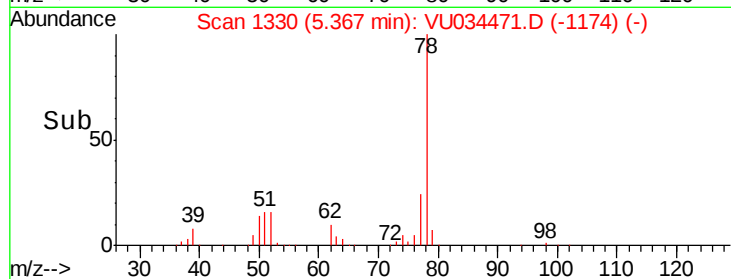
600000

400000

200000

0

Time-->



#36

1,2-Dichloroethane

Concen: 11.663 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU034471.D

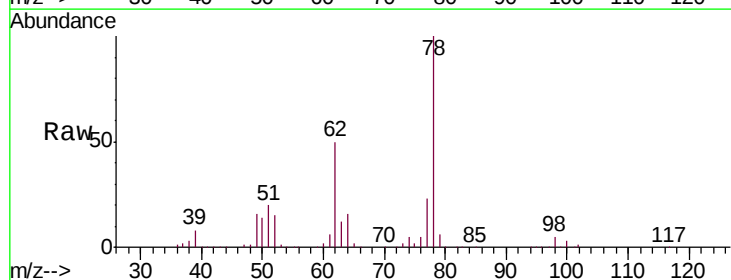
Acq: 11 Sep 2019 12:01

Tgt Ion: 62 Resp: 300161

Ion Ratio Lower Upper

62 100

98 10.1 8.0 12.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

5.38

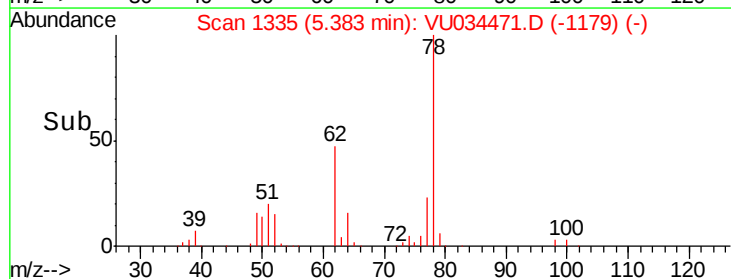
150000

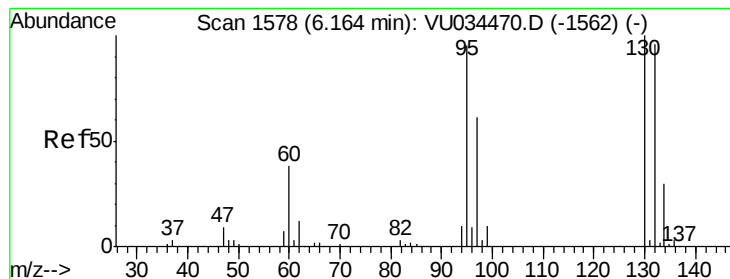
100000

50000

0

Time-->





#37

Trichloroethene

Concen: 15.566 ug/l

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU034471.D

Acq: 11 Sep 2019 12:01

Instrument :

MSVOA_U

ClientSampleId :

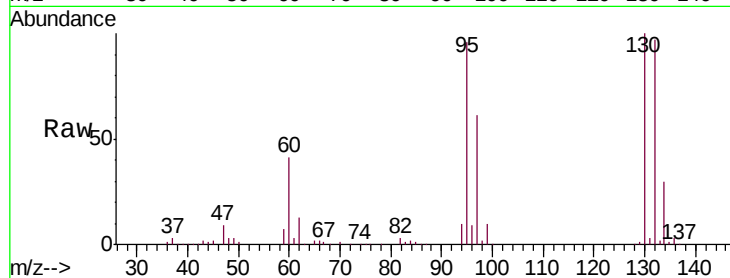
VSTDIC015

Tgt Ion:130 Resp: 333198

Ion Ratio Lower Upper

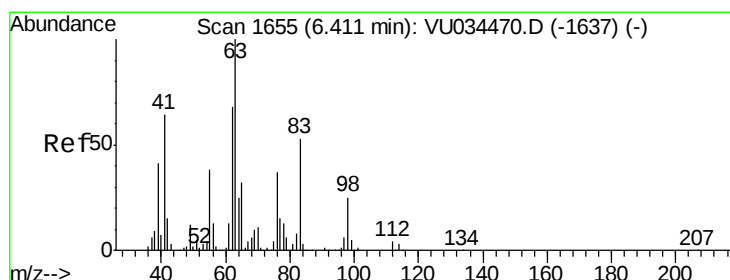
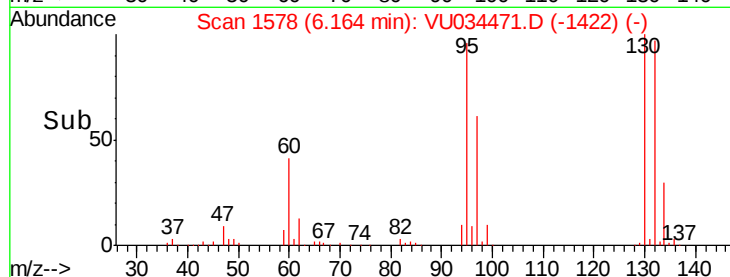
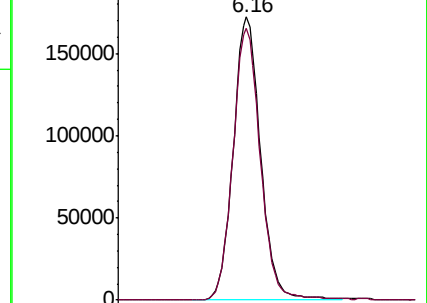
130 100

95 95.9 76.3 114.5



Abundance Ion 129.90 (129.60 to 130.60): VU034471.D (-1422) (-)

Ion 94.90 (94.60 to 95.60): VU034471.D (-1422) (-)



#38

1,2-Dichloropropane

Concen: 14.170 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU034471.D

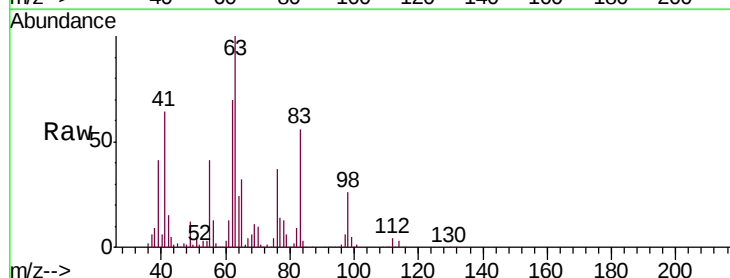
Acq: 11 Sep 2019 12:01

Tgt Ion: 63 Resp: 311523

Ion Ratio Lower Upper

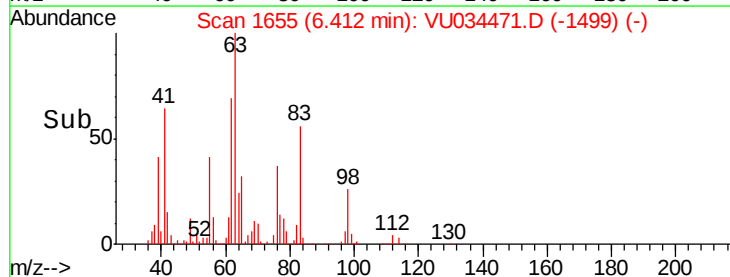
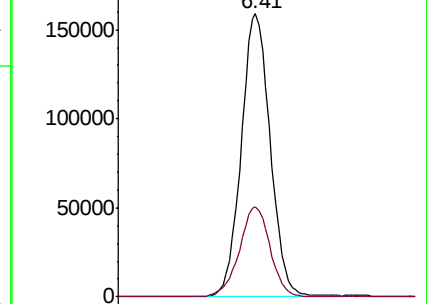
63 100

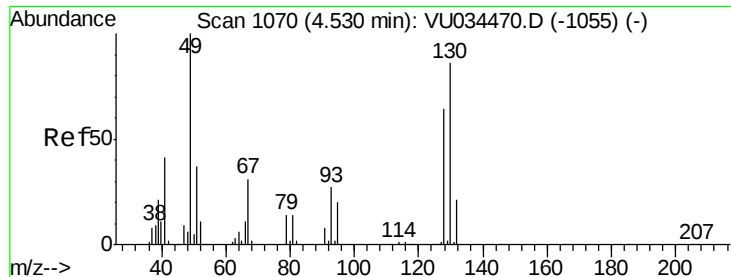
65 31.8 25.4 38.2



Abundance Ion 63.00 (62.70 to 63.70): VU034471.D (-1499) (-)

Ion 65.00 (64.70 to 65.70): VU034471.D (-1499) (-)

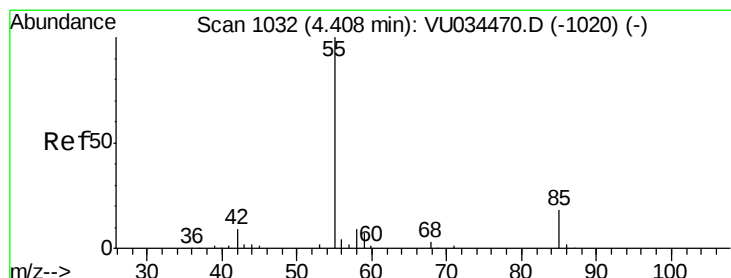
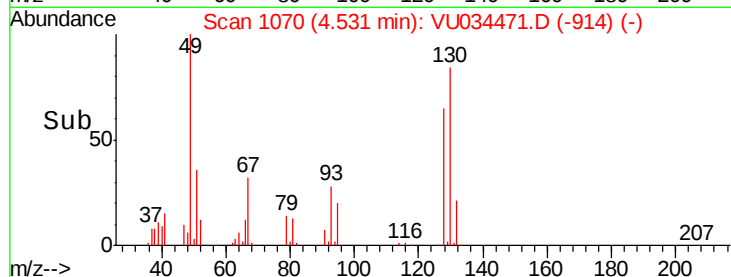
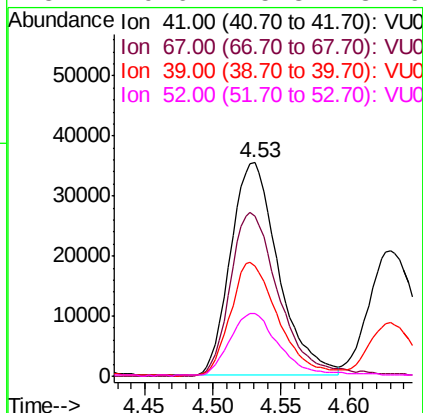
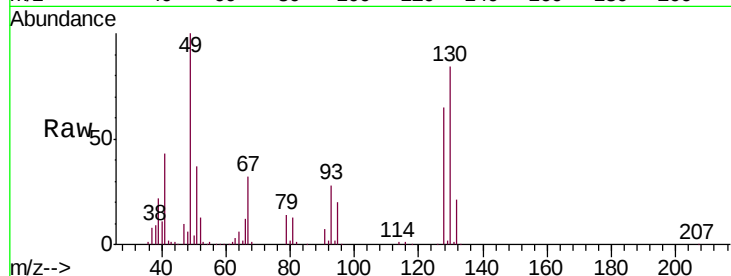




#39
Methacrylonitrile
Concen: 14.305 ug/l
RT: 4.53 min Scan# 1070
Delta R.T. 0.00 min
Lab File: VU034471.D
Acq: 11 Sep 2019 12:01

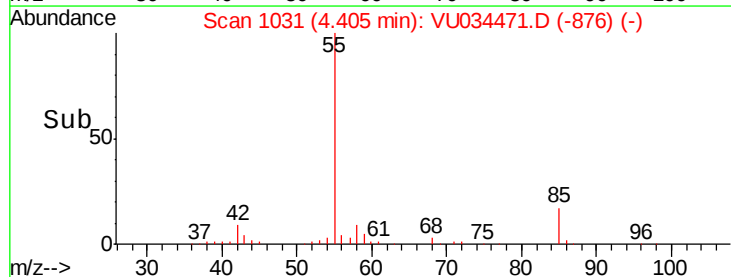
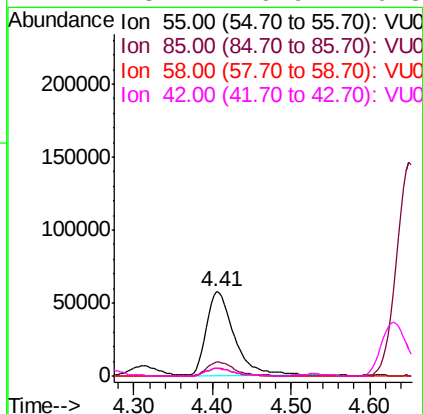
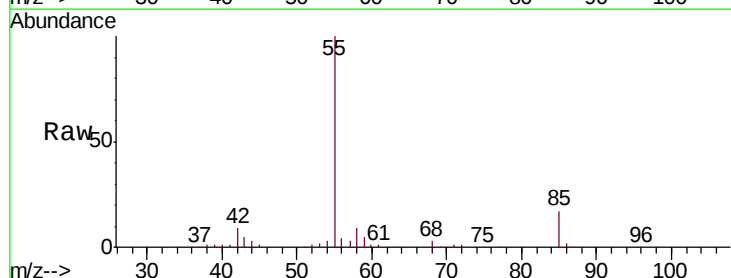
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

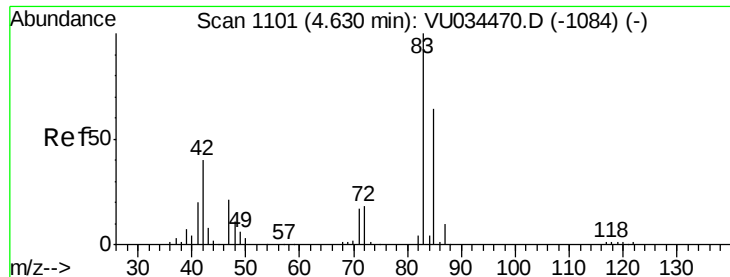
Tgt Ion:	41	Resp:	86010
Ion	Ratio	Lower	Upper
41	100		
67	79.9	62.6	94.0
39	53.4	41.6	62.4
52	29.6	25.3	37.9



#40
Methyl acrylate
Concen: 15.023 ug/l
RT: 4.41 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VU034471.D
Acq: 11 Sep 2019 12:01

Tgt Ion:	55	Resp:	140226
Ion	Ratio	Lower	Upper
55	100		
85	16.8	13.8	20.6
58	9.0	7.0	10.6
42	8.7	6.9	10.3

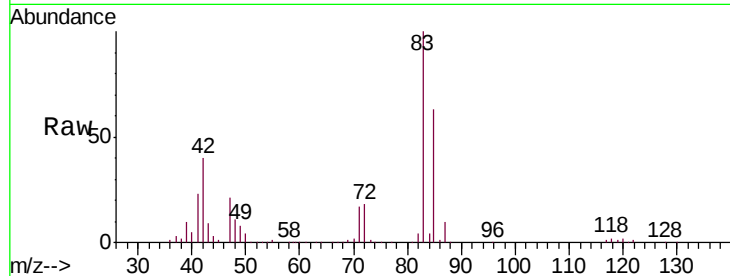




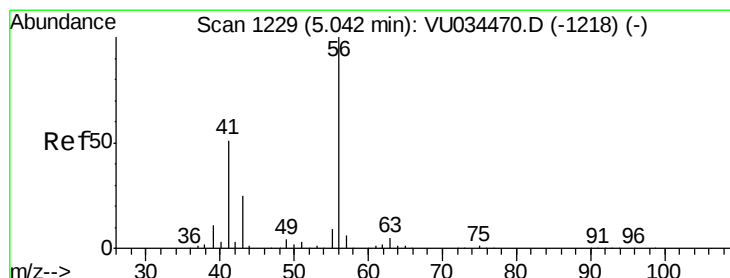
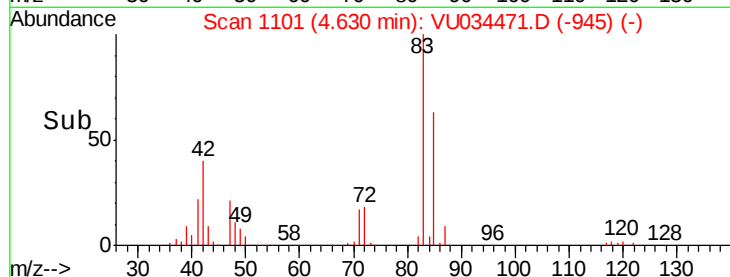
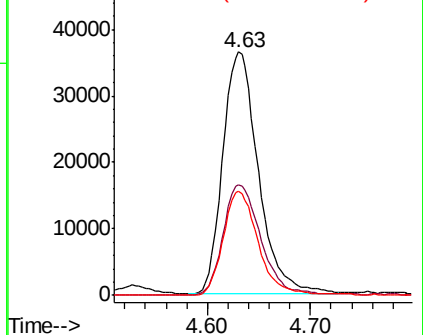
#41
Tetrahydrofuran
Concen: 29.281 ug/l
RT: 4.63 min Scan# 1101
Delta R.T. 0.00 min
Lab File: VU034471.D
Acq: 11 Sep 2019 12:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tgt Ion: 42 Resp: 87914
Ion Ratio Lower Upper
42 100
72 48.3 39.6 59.4
71 42.0 33.6 50.4

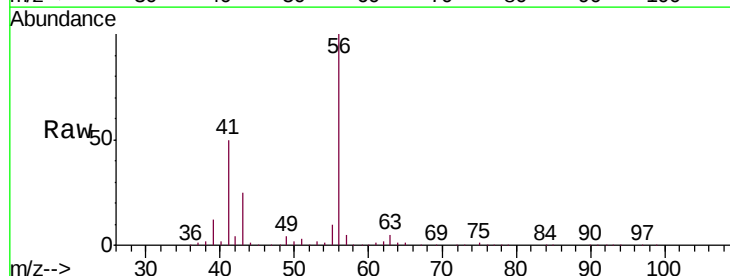


Abundance Ion 42.00 (41.70 to 42.70): VU0
Ion 72.00 (71.70 to 72.70): VU0
Ion 71.00 (70.70 to 71.70): VU0

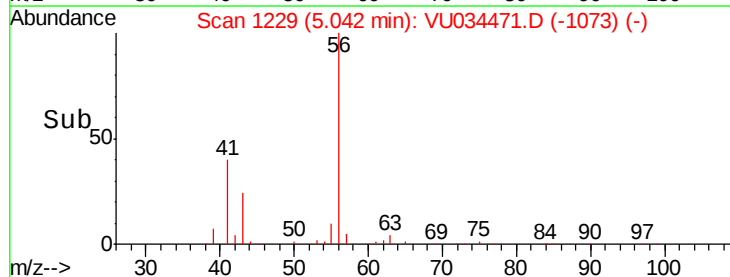
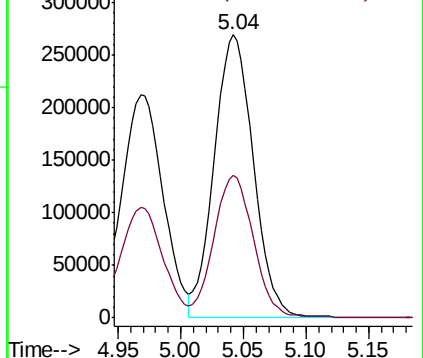


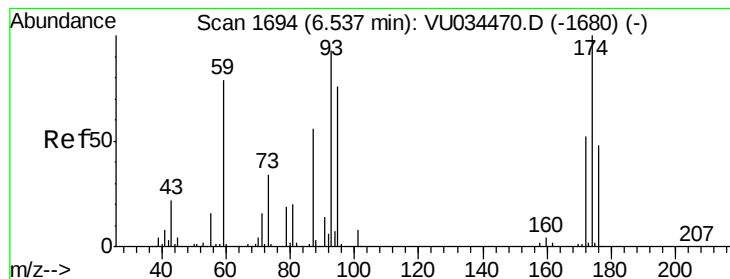
#42
1-Chlorobutane
Concen: 15.579 ug/l
RT: 5.04 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VU034471.D
Acq: 11 Sep 2019 12:01

Tgt Ion: 56 Resp: 580547
Ion Ratio Lower Upper
56 100
41 51.1 25.5 76.5



Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 41.00 (40.70 to 41.70): VU0





#43

Dibromomethane

Concen: 12.163 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU034471.D

Acq: 11 Sep 2019 12:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

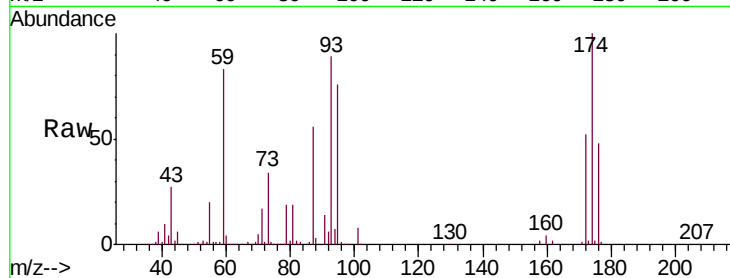
Tgt Ion: 93 Resp: 143810

Ion Ratio Lower Upper

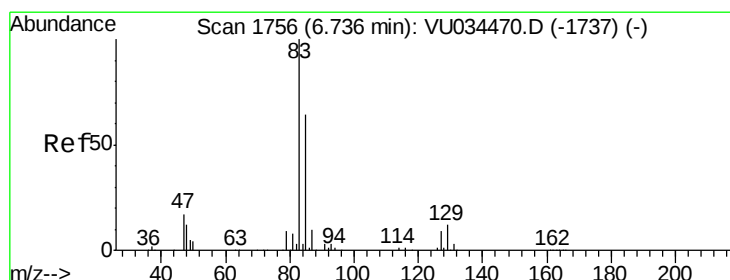
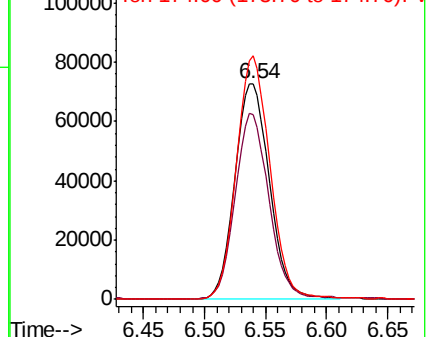
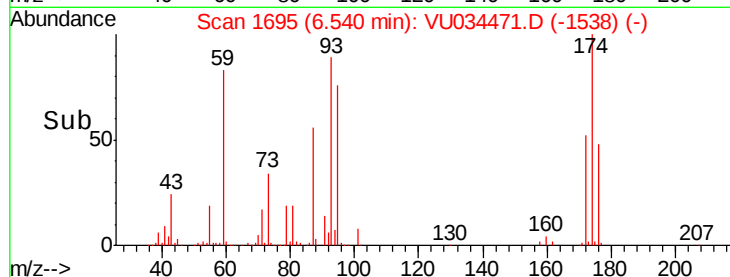
93 100

95 83.8 67.1 100.7

174 109.7 88.7 133.1



Abundance Ion 93.00 (92.70 to 93.70): VU034471.D (-1538) (-)



#44

Bromodichloromethane

Concen: 13.004 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034471.D

Acq: 11 Sep 2019 12:01

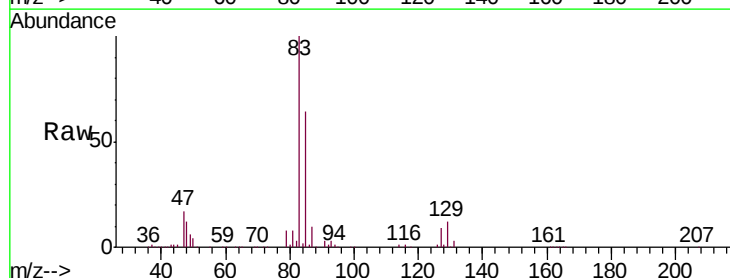
Tgt Ion: 83 Resp: 376377

Ion Ratio Lower Upper

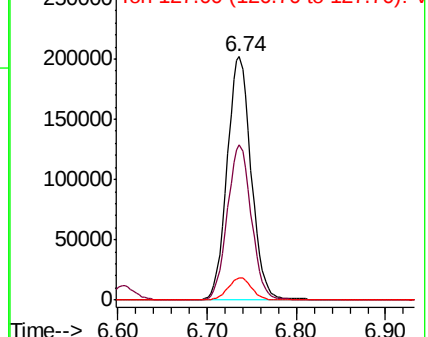
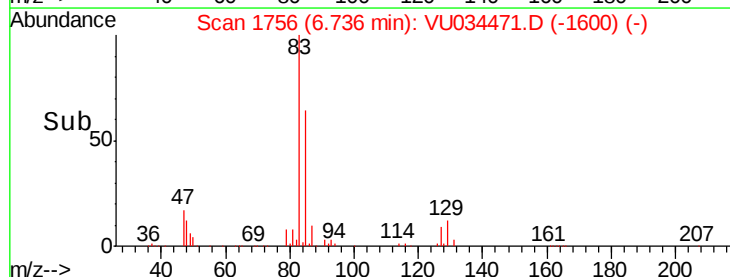
83 100

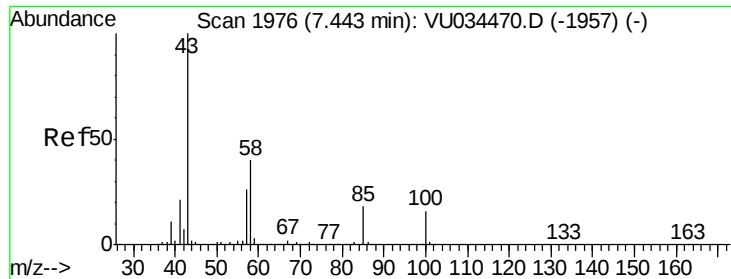
85 63.7 51.1 76.7

127 9.1 7.1 10.7



Abundance Ion 83.00 (82.70 to 83.70): VU034471.D (-1600) (-)

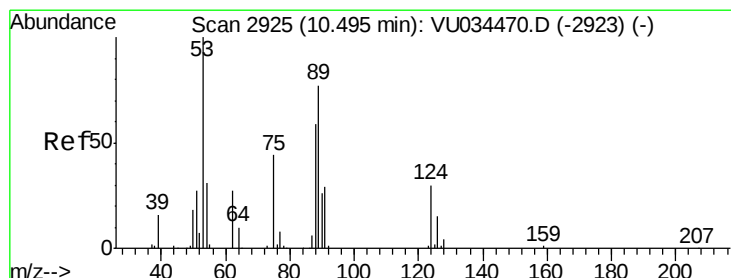
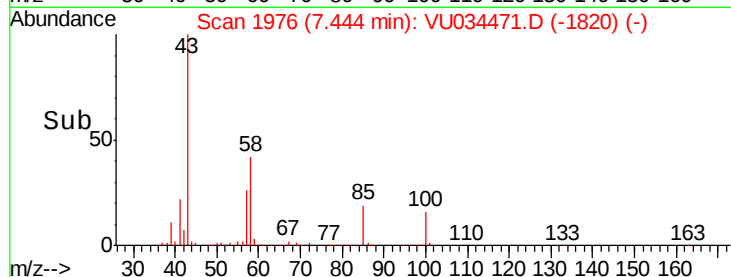
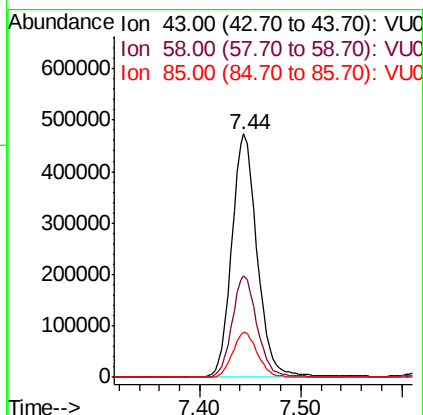
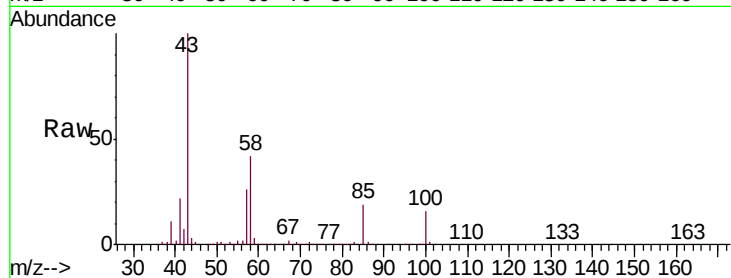




#45
4-Methyl-2-Pentanone
Concen: 68.926 ug/l
RT: 7.44 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VU034471.D
Acq: 11 Sep 2019 12:01

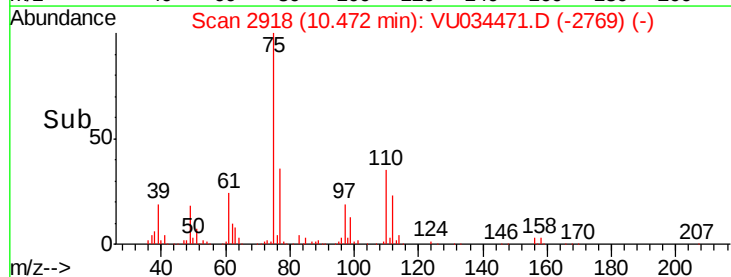
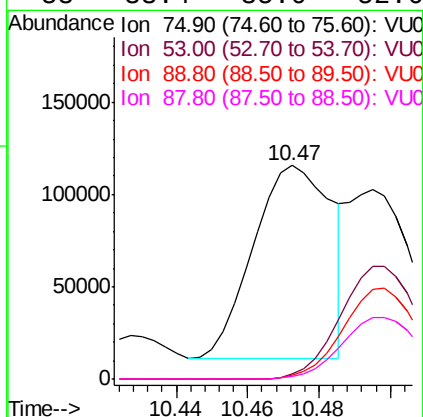
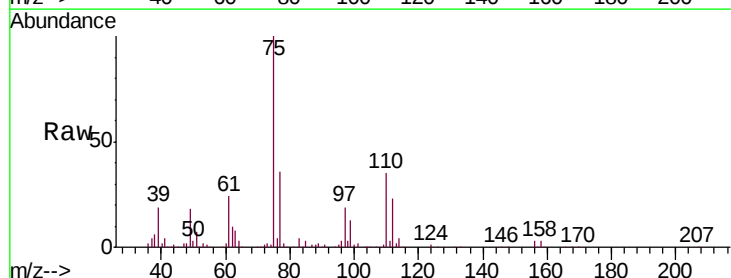
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

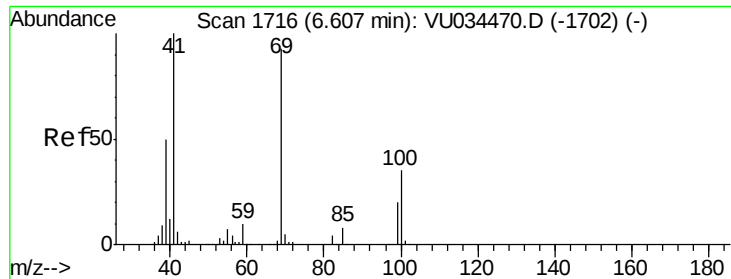
Tgt Ion	Ratio	Lower	Upper
43	100		
58	41.5	20.2	60.6
85	18.4	14.6	21.8



#46
t-1,4-Dichloro-2-butene
Concen: 33.253 ug/l
RT: 10.47 min Scan# 2918
Delta R.T. -0.02 min
Lab File: VU034471.D
Acq: 11 Sep 2019 12:01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	61.3	63.3	94.9#
89	47.6	46.2	69.2
88	33.4	35.0	52.6#

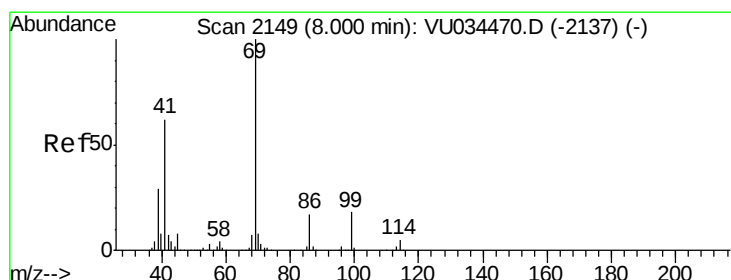
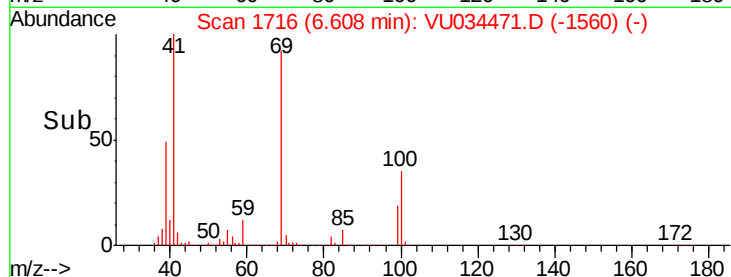
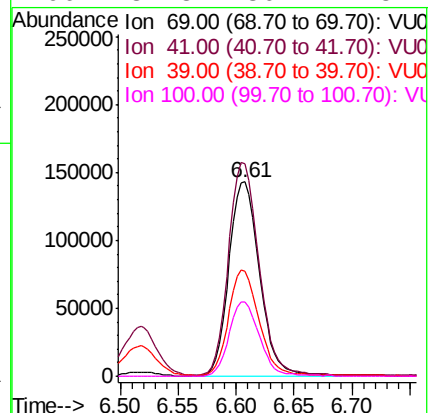
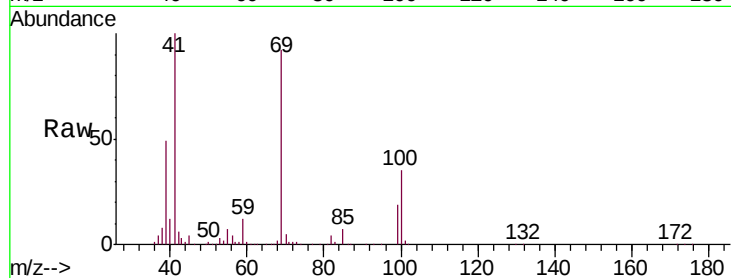




#47
Methyl methacrylate
Concen: 29.183 ug/l
RT: 6.61 min Scan# 1716
Delta R.T. 0.00 min
Lab File: VU034471.D
Acq: 11 Sep 2019 12:01

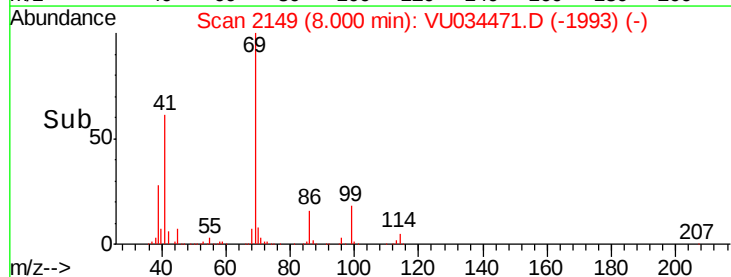
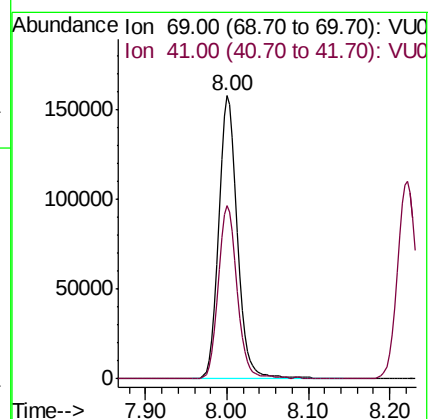
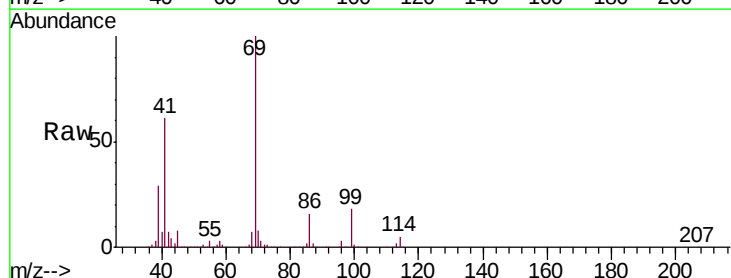
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

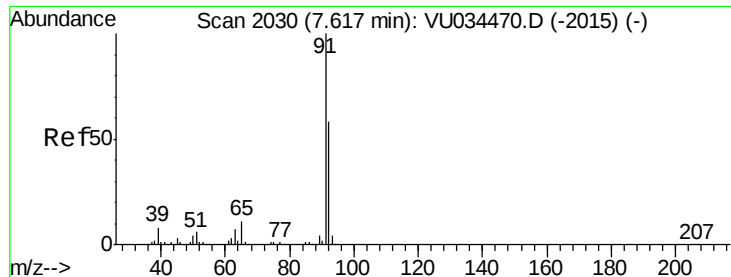
Tgt Ion: 69 Resp: 263875
Ion Ratio Lower Upper
69 100
41 108.3 0.0 212.8
39 53.6 43.0 64.4
100 37.8 30.1 45.1



#48
Ethyl methacrylate
Concen: 16.073 ug/l
RT: 8.00 min Scan# 2149
Delta R.T. 0.00 min
Lab File: VU034471.D
Acq: 11 Sep 2019 12:01

Tgt Ion: 69 Resp: 257690
Ion Ratio Lower Upper
69 100
41 61.4 30.6 91.8





#49

Toluene

Concen: 16.607 ug/l

RT: 7.61 min Scan# 2029

Delta R.T. -0.00 min

Lab File: VU034471.D

Acq: 11 Sep 2019 12:01

Instrument :

MSVOA_U

ClientSampleId :

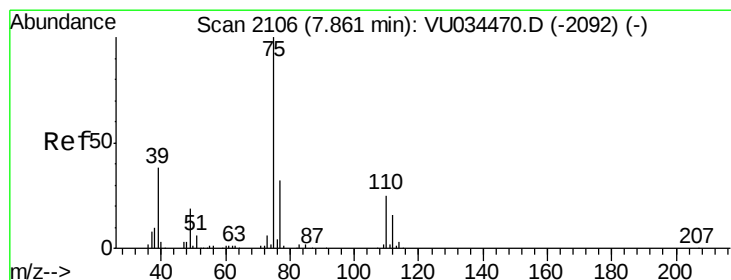
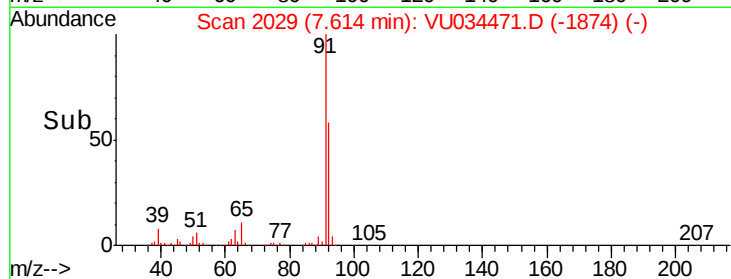
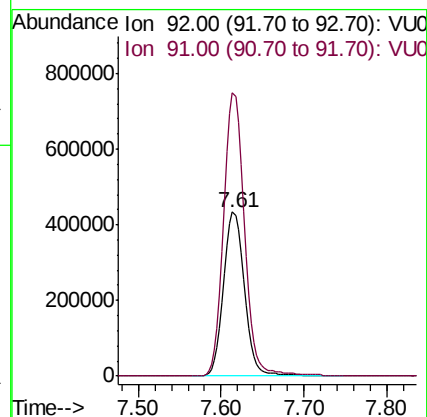
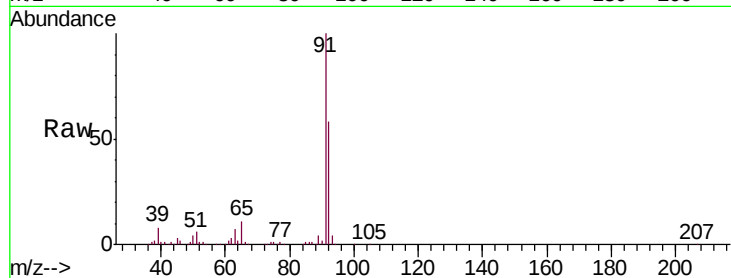
VSTDIC015

Tgt Ion: 92 Resp: 763003

Ion Ratio Lower Upper

92 100

91 172.1 138.6 208.0



#50

t-1,3-Dichloropropene

Concen: 14.144 ug/l

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VU034471.D

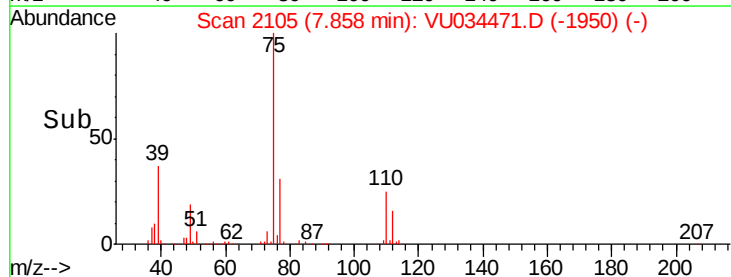
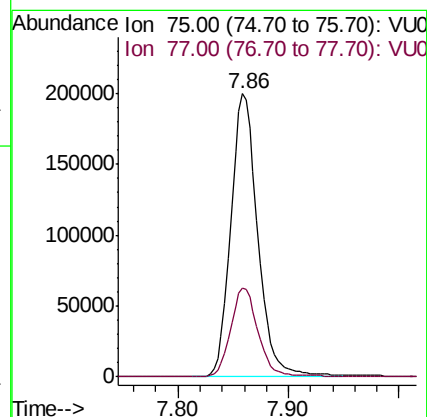
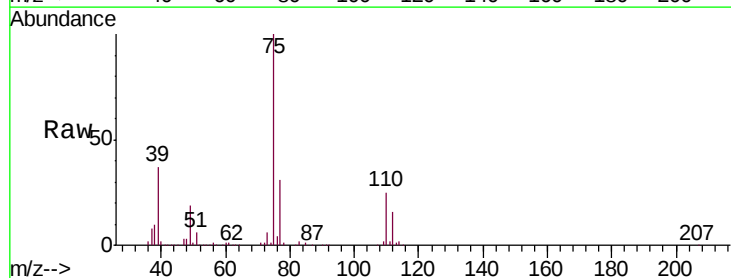
Acq: 11 Sep 2019 12:01

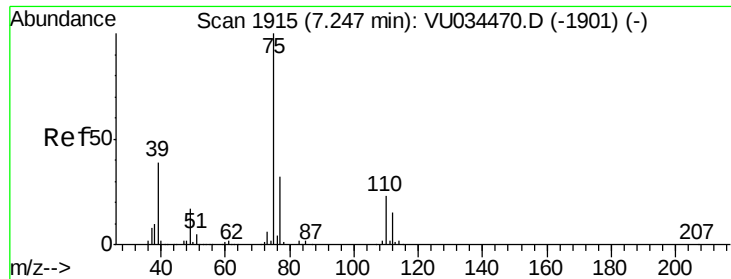
Tgt Ion: 75 Resp: 339119

Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.0



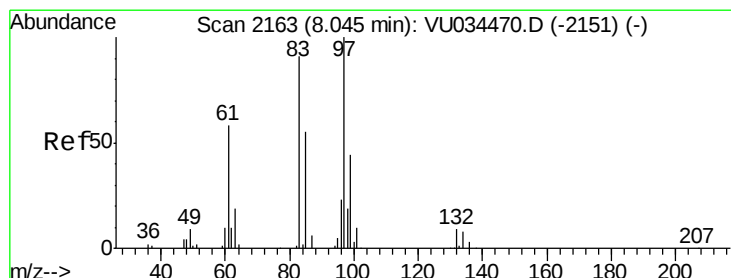
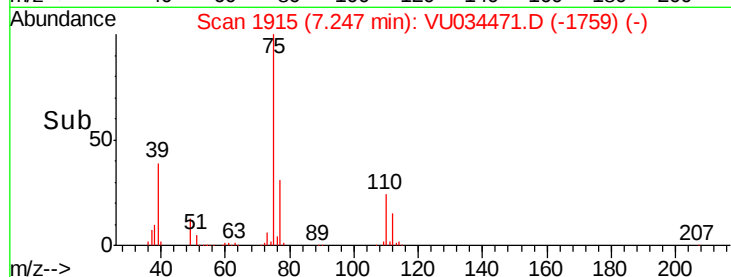
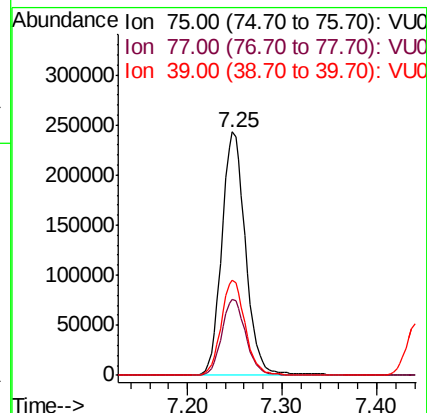
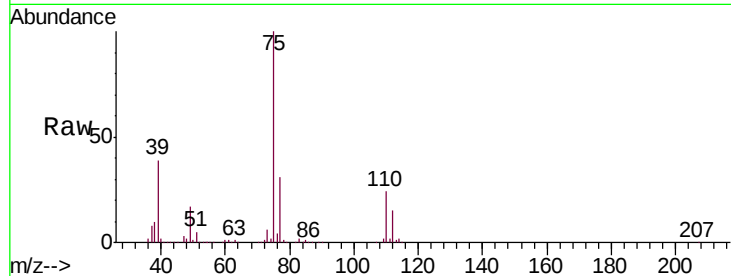


#51

cis-1,3-Dichloropropene
 Concen: 14.792 ug/l
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VU034471.D
 Acq: 11 Sep 2019 12:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

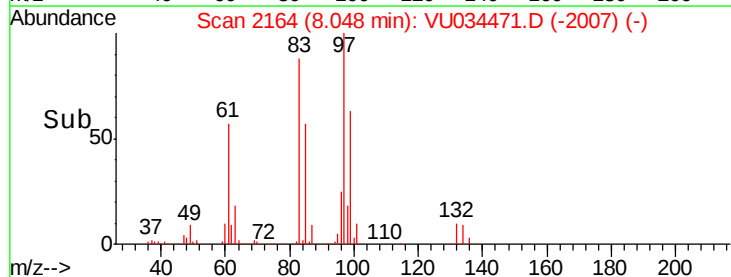
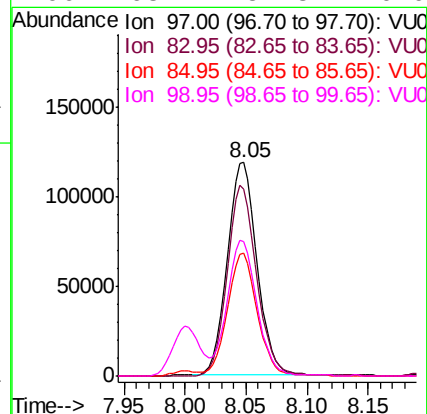
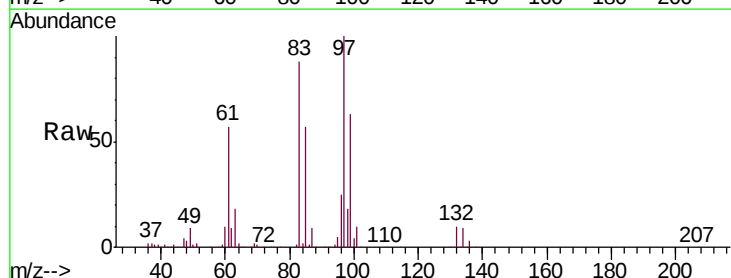
Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.3	37.9
39	39.3	31.0	46.4

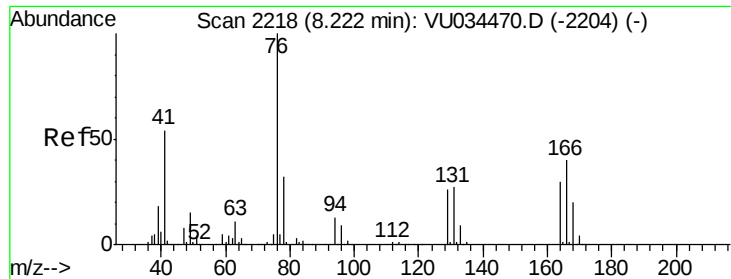


#52

1,1,2-Trichloroethane
 Concen: 12.776 ug/l
 RT: 8.05 min Scan# 2164
 Delta R.T. 0.00 min
 Lab File: VU034471.D
 Acq: 11 Sep 2019 12:01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.9	72.5	108.7
85	57.4	45.4	68.0
99	63.1	51.3	76.9

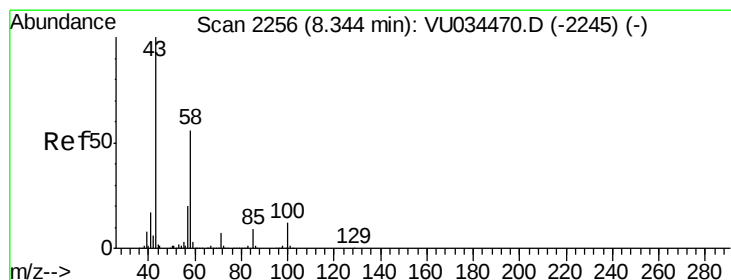
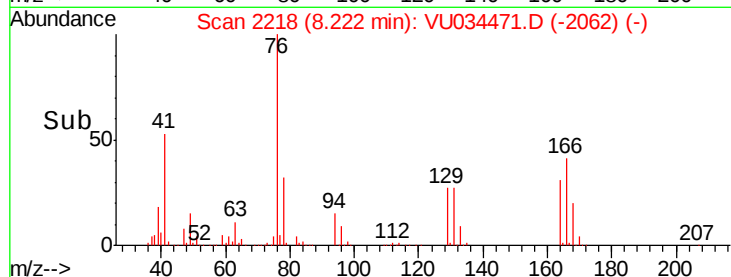
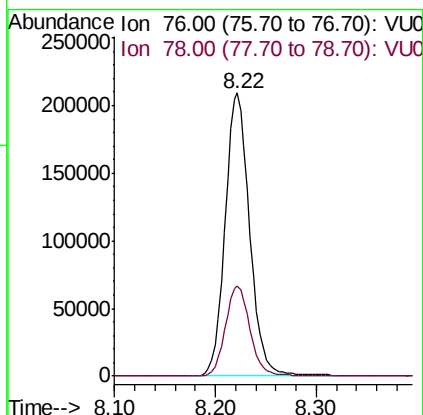
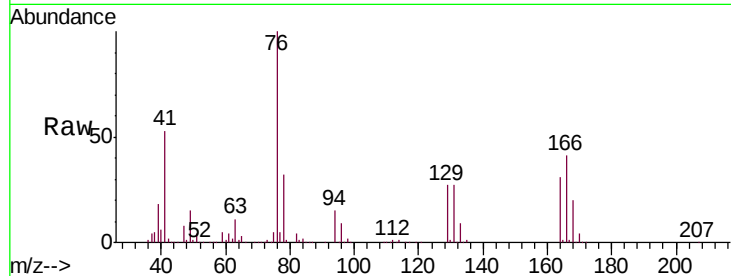




#53
 1,3-Dichloropropane
 Concen: 13.237 ug/l
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU034471.D
 Acq: 11 Sep 2019 12:01

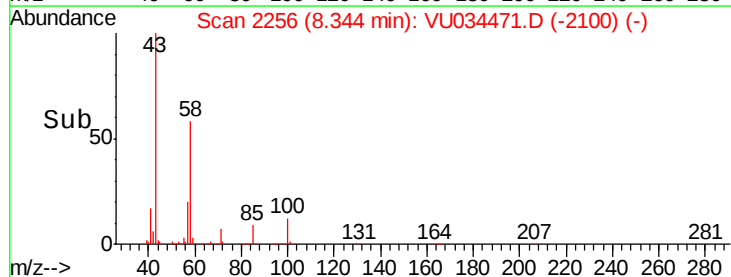
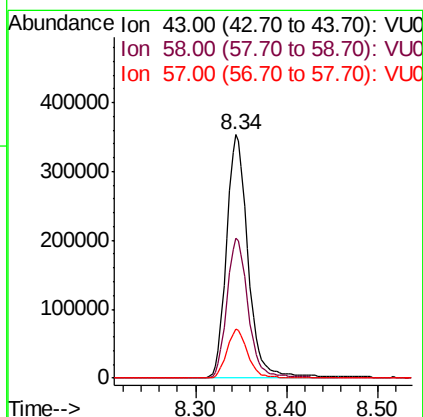
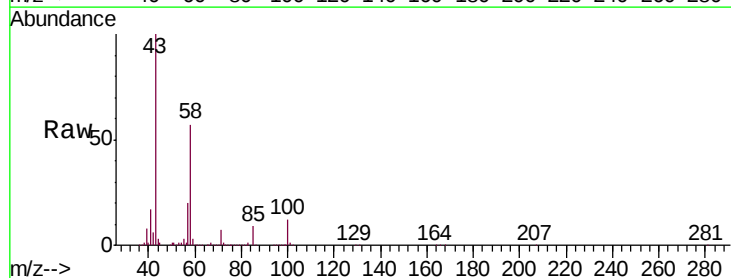
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

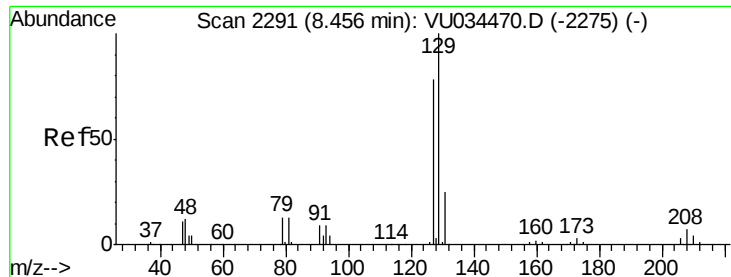
Tgt Ion: 76 Resp: 355855
 Ion Ratio Lower Upper
 76 100
 78 31.9 26.1 39.1



#54
 2-Hexanone
 Concen: 68.808 ug/l
 RT: 8.34 min Scan# 2256
 Delta R.T. 0.00 min
 Lab File: VU034471.D
 Acq: 11 Sep 2019 12:01

Tgt Ion: 43 Resp: 579555
 Ion Ratio Lower Upper
 43 100
 58 57.4 36.4 76.4
 57 19.5 0.0 39.5





#55

Dibromochloromethane

Concen: 13.596 ug/l

RT: 8.46 min Scan# 2291

Delta R.T. 0.00 min

Lab File: VU034471.D

Acq: 11 Sep 2019 12:01

Instrument :

MSVOA_U

ClientSampleId :

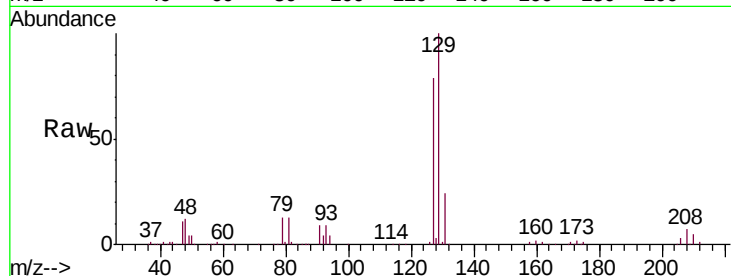
VSTDIC015

Tgt Ion:129 Resp: 254232

Ion Ratio Lower Upper

129 100

127 78.9 60.9 91.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.46

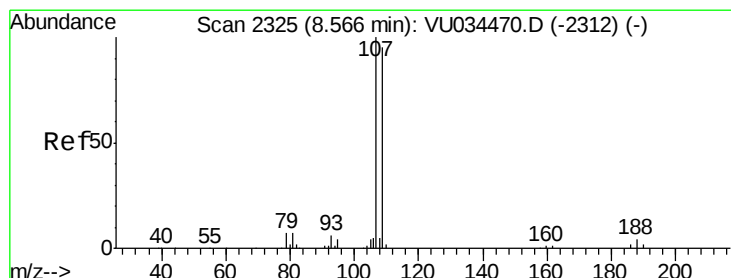
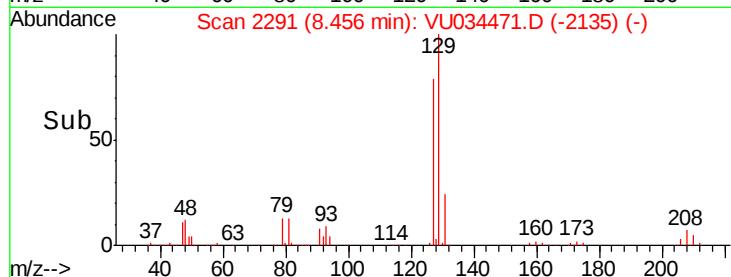
150000

100000

50000

0

Time--> 8.35 8.40 8.45 8.50 8.55



#56

1,2-Dibromoethane

Concen: 12.905 ug/l

RT: 8.57 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU034471.D

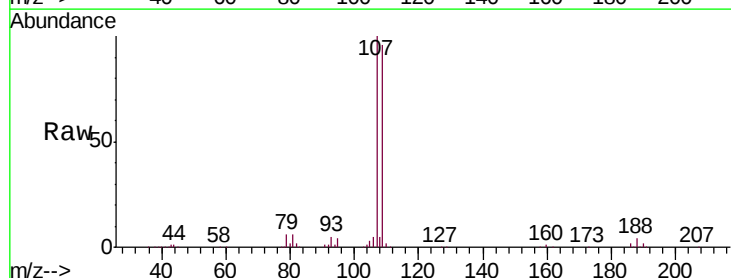
Acq: 11 Sep 2019 12:01

Tgt Ion:107 Resp: 190597

Ion Ratio Lower Upper

107 100

109 94.8 0.0 190.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.57

120000

100000

80000

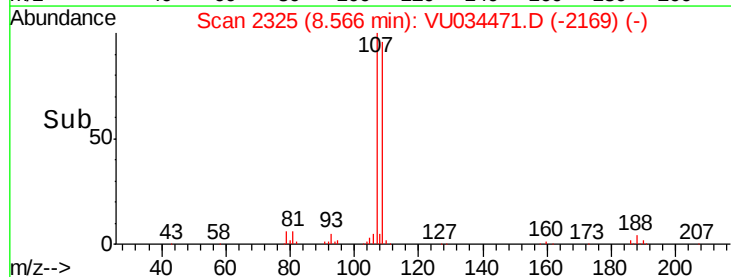
60000

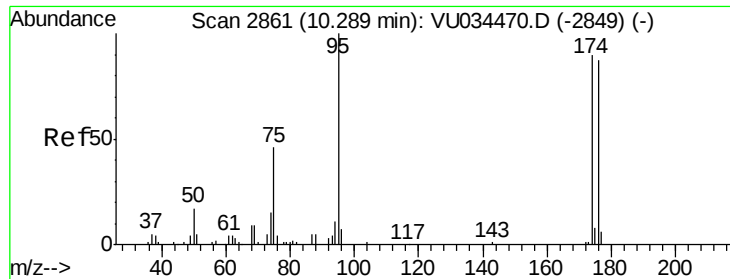
40000

20000

0

Time--> 8.50 8.60 8.70

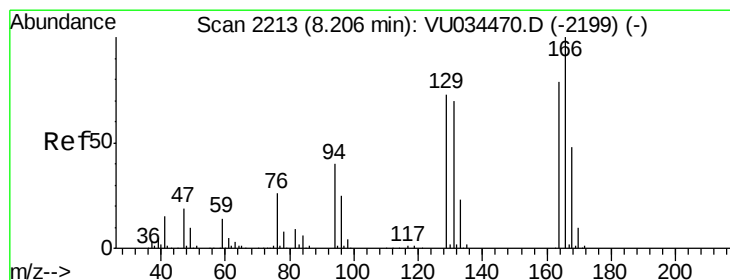
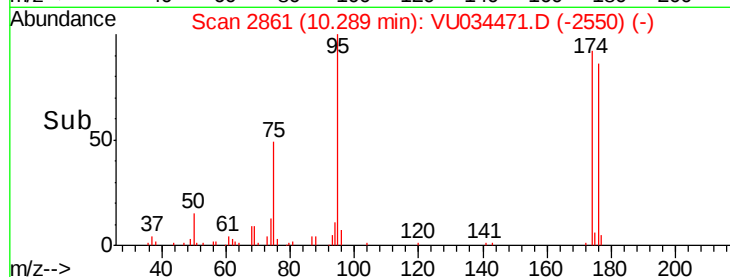
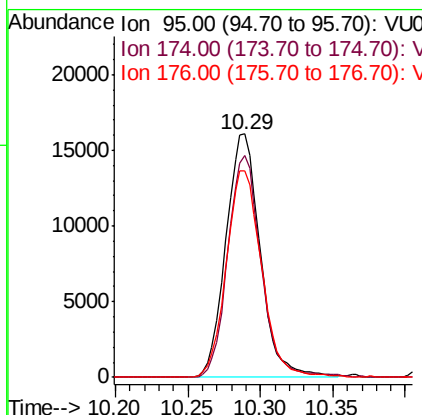
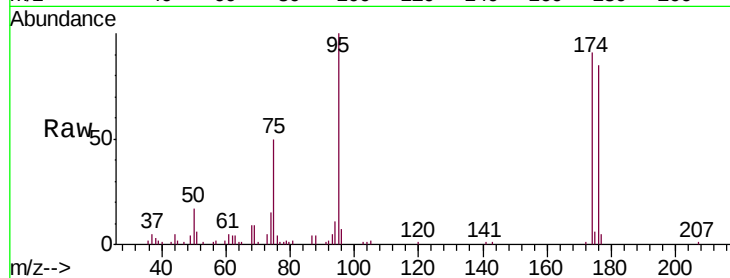




#57
4-Bromofluorobenzene
Concen: 1.017 ug/l
RT: 10.29 min Scan# 2861
Delta R.T. 0.00 min
Lab File: VU034471.D
Acq: 11 Sep 2019 12:01

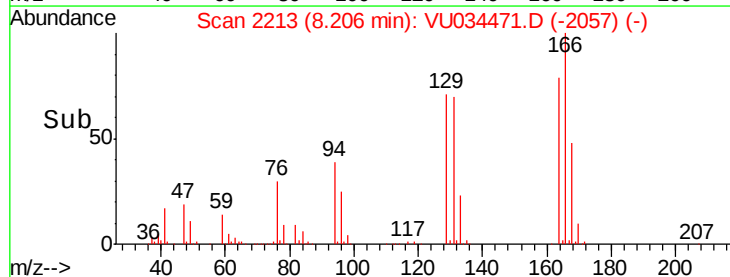
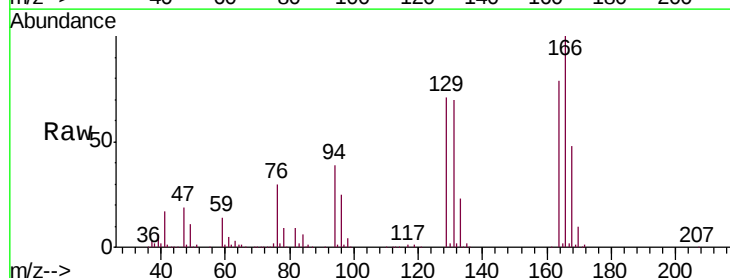
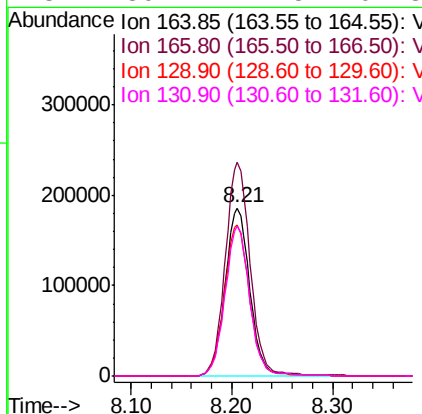
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

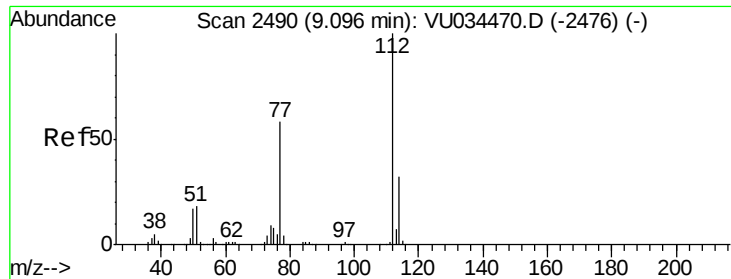
Tgt Ion: 95 Resp: 26415
Ion Ratio Lower Upper
95 100
174 88.3 70.1 105.1
176 87.1 67.7 101.5



#58
Tetrachloroethene
Concen: 16.346 ug/l
RT: 8.21 min Scan# 2213
Delta R.T. 0.00 min
Lab File: VU034471.D
Acq: 11 Sep 2019 12:01

Tgt Ion: 164 Resp: 319053
Ion Ratio Lower Upper
164 100
166 127.3 101.5 152.3
129 90.2 73.8 110.8
131 89.4 71.5 107.3

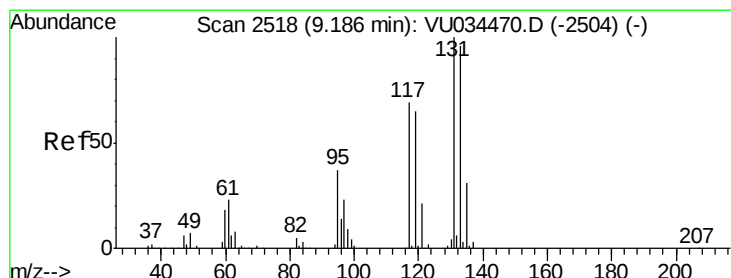
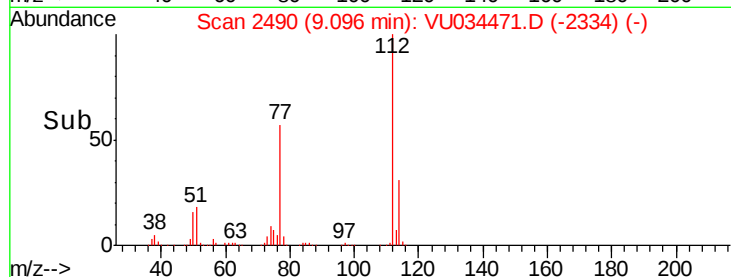
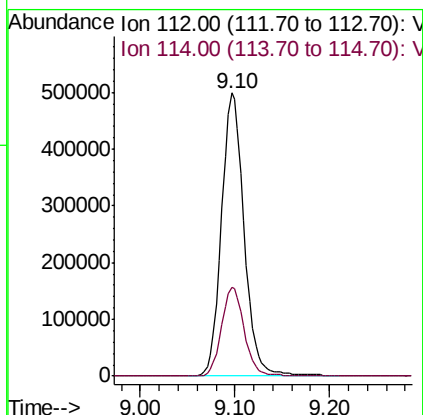
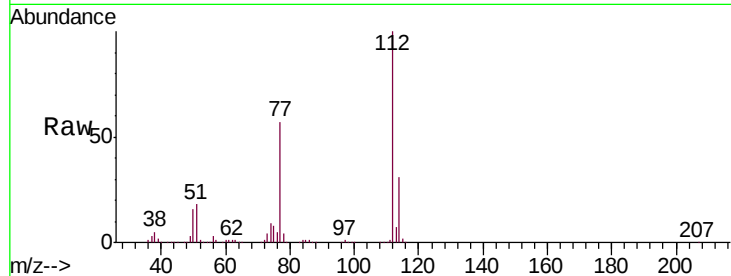




#59
Chlorobenzene
Concen: 15.828 ug/l
RT: 9.10 min Scan# 2490
Delta R.T. 0.00 min
Lab File: VU034471.D
Acq: 11 Sep 2019 12:01

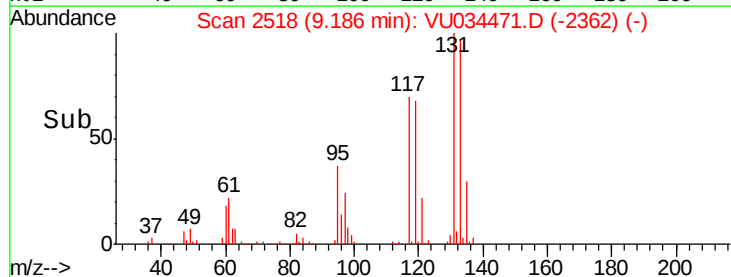
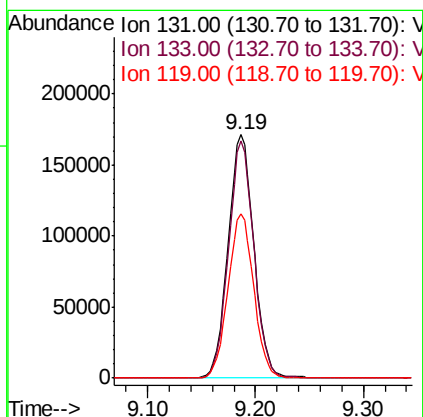
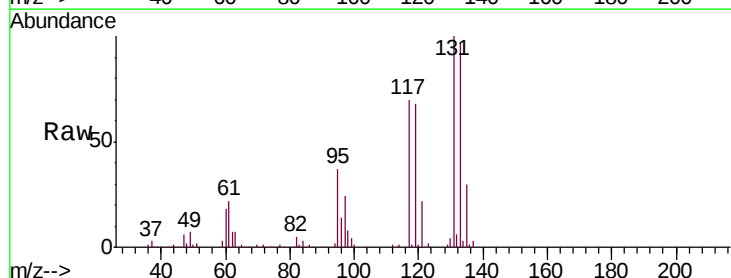
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

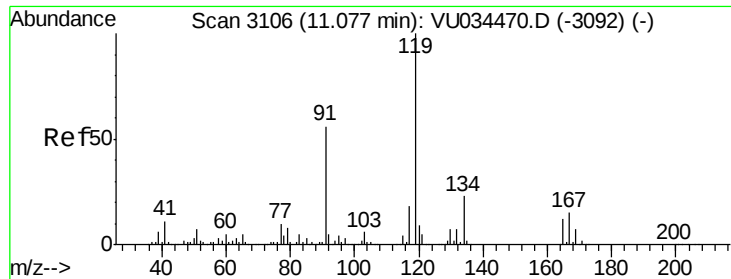
Tgt Ion:112 Resp: 831355
Ion Ratio Lower Upper
112 100
114 31.5 25.6 38.4



#60
1,1,1,2-Tetrachloroethane
Concen: 14.313 ug/l
RT: 9.19 min Scan# 2518
Delta R.T. 0.00 min
Lab File: VU034471.D
Acq: 11 Sep 2019 12:01

Tgt Ion:131 Resp: 285218
Ion Ratio Lower Upper
131 100
133 95.6 76.8 115.2
119 67.3 52.4 78.6

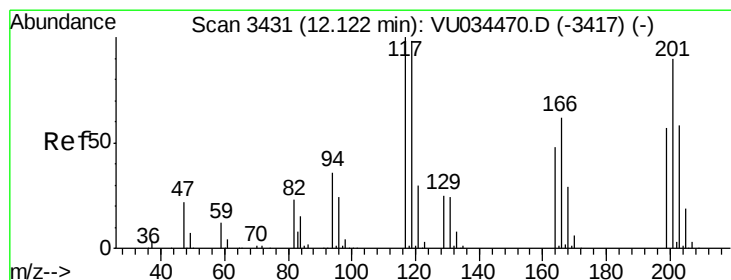
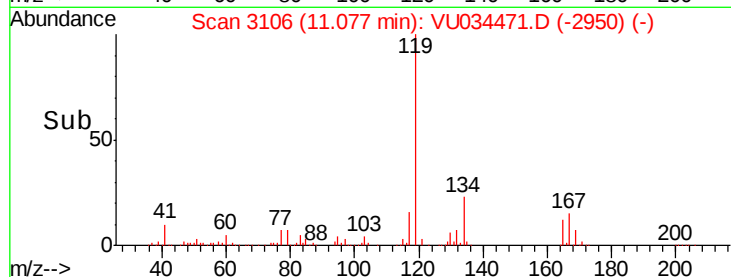
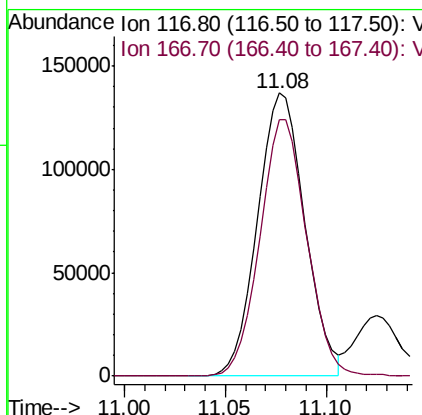
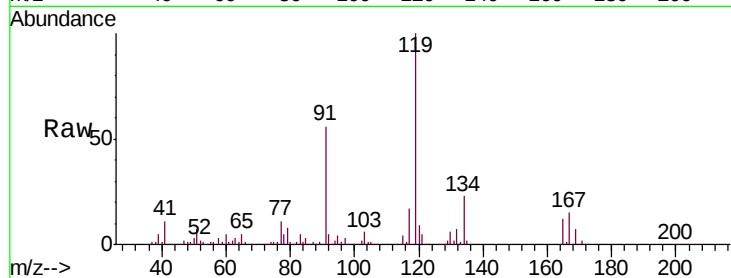




#61
 Pentachloroethane
 Concen: 13.745 ug/l
 RT: 11.08 min Scan# 3106
 Delta R.T. 0.00 min
 Lab File: VU034471.D
 Acq: 11 Sep 2019 12:01

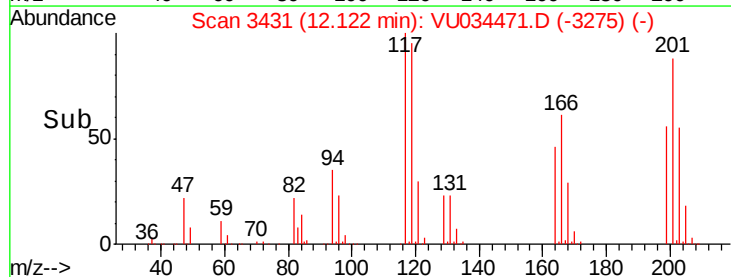
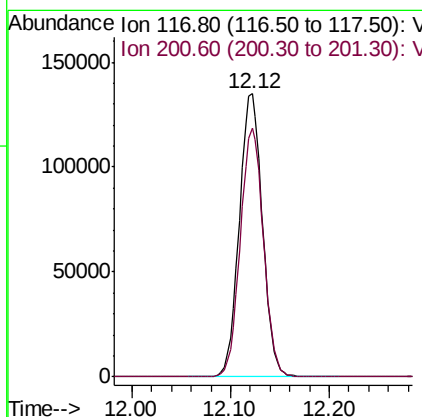
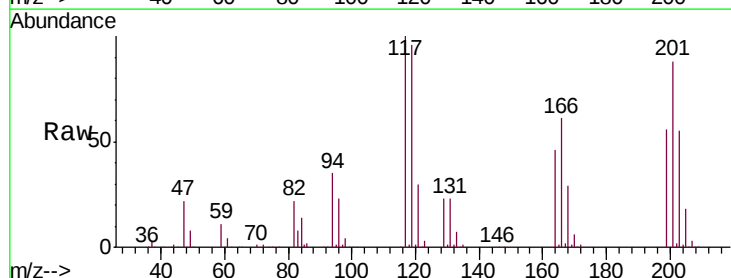
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

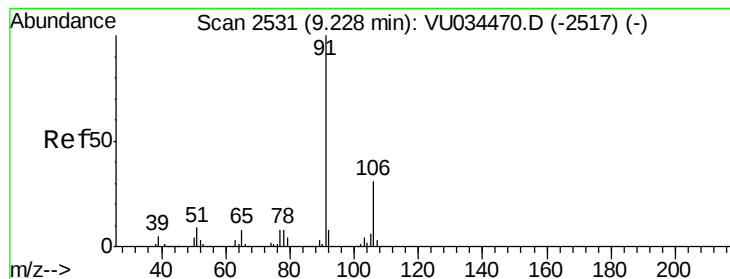
Tgt Ion:117 Resp: 223696
 Ion Ratio Lower Upper
 117 100
 167 89.8 70.7 106.1



#62
 Hexachloroethane
 Concen: 14.100 ug/l
 RT: 12.12 min Scan# 3431
 Delta R.T. 0.00 min
 Lab File: VU034471.D
 Acq: 11 Sep 2019 12:01

Tgt Ion:117 Resp: 218920
 Ion Ratio Lower Upper
 117 100
 201 87.6 71.8 107.8





#63

Ethyl Benzene

Concen: 17.119 ug/l

RT: 9.23 min Scan# 2531

Delta R.T. 0.00 min

Lab File: VU034471.D

Acq: 11 Sep 2019 12:01

Instrument :

MSVOA_U

ClientSampleId :

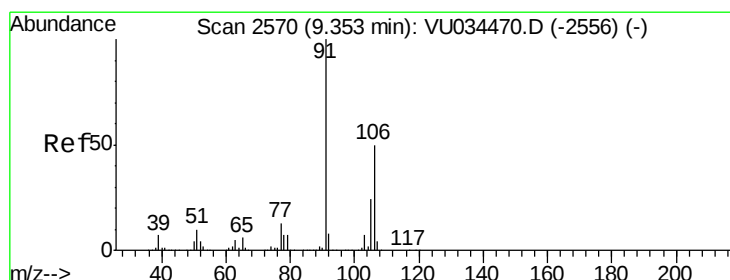
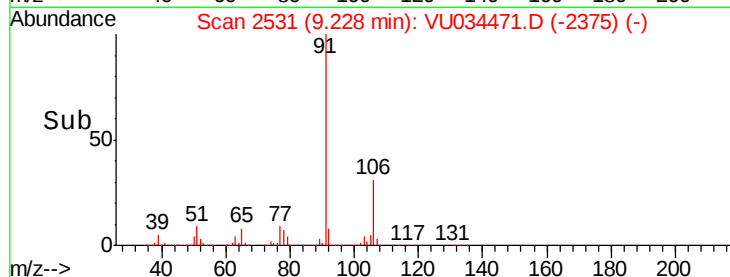
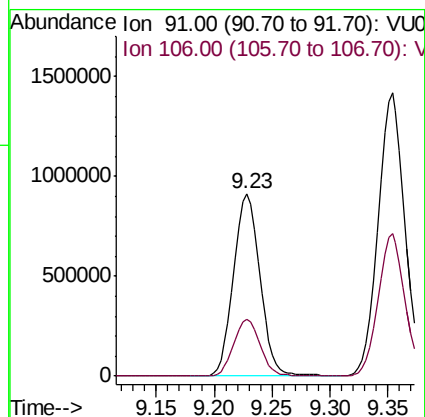
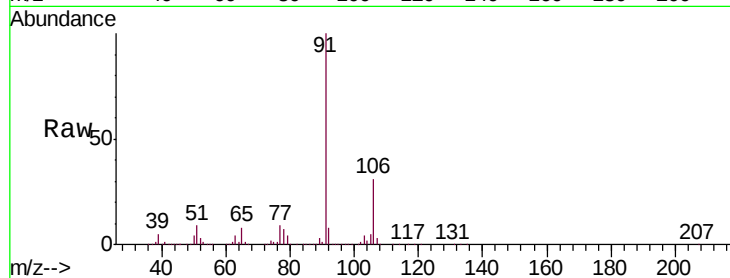
VSTDIC015

Tgt Ion: 91 Resp: 1445077

Ion Ratio Lower Upper

91 100

106 31.3 25.2 37.8



#64

m/p-Xylenes

Concen: 34.038 ug/l

RT: 9.35 min Scan# 2570

Delta R.T. 0.00 min

Lab File: VU034471.D

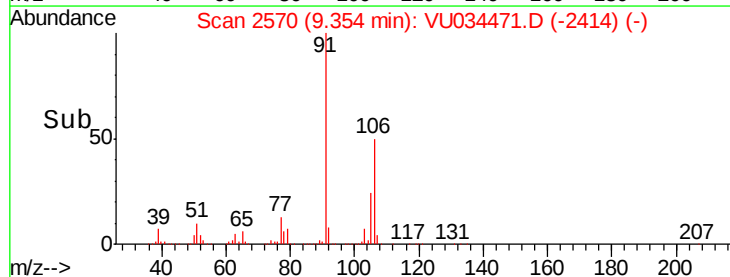
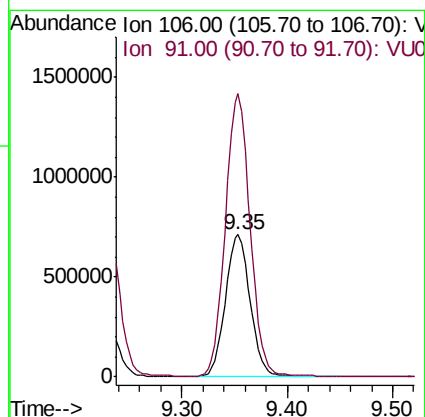
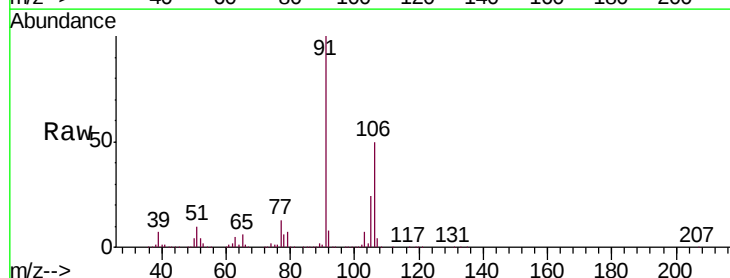
Acq: 11 Sep 2019 12:01

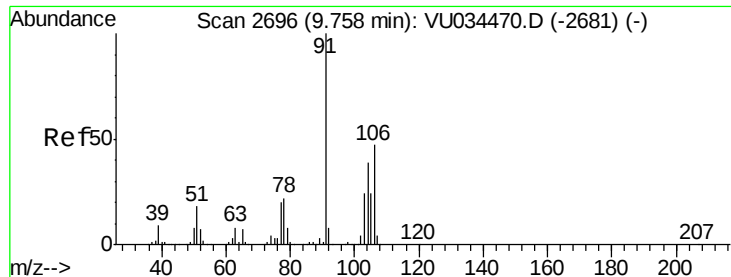
Tgt Ion: 106 Resp: 1151568

Ion Ratio Lower Upper

106 100

91 199.7 161.8 242.6

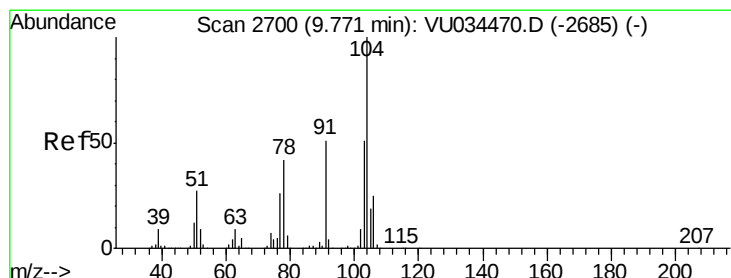
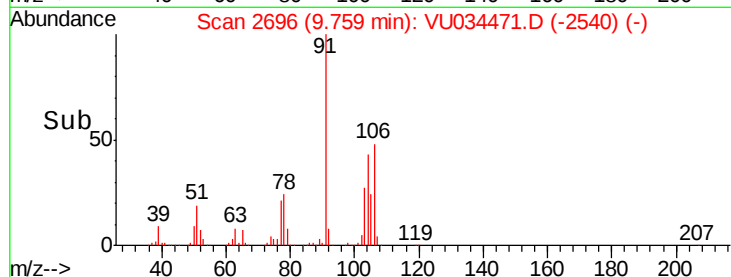
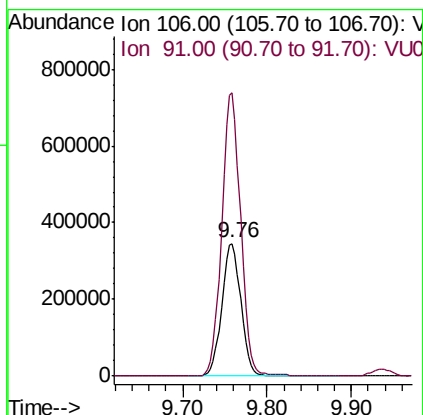
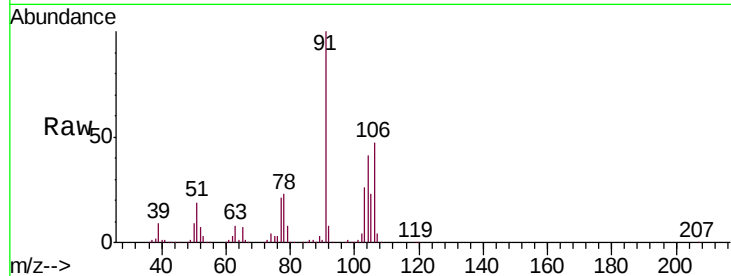




#65
o-Xylene
Concen: 16.819 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. 0.00 min
Lab File: VU034471.D
Acq: 11 Sep 2019 12:01

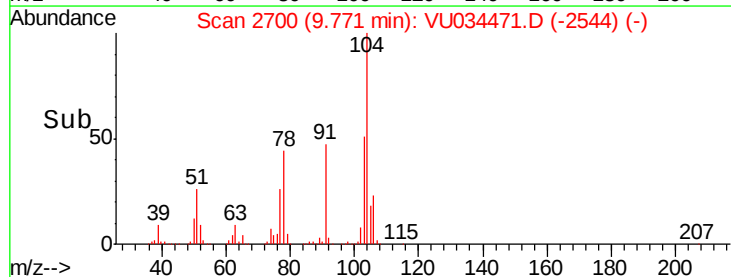
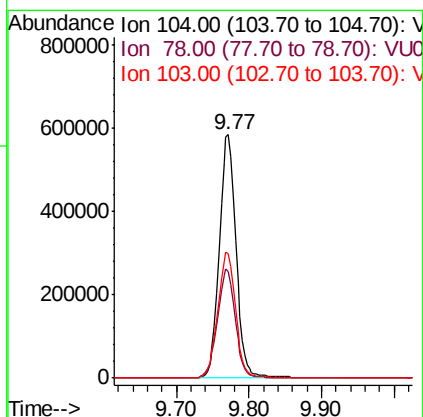
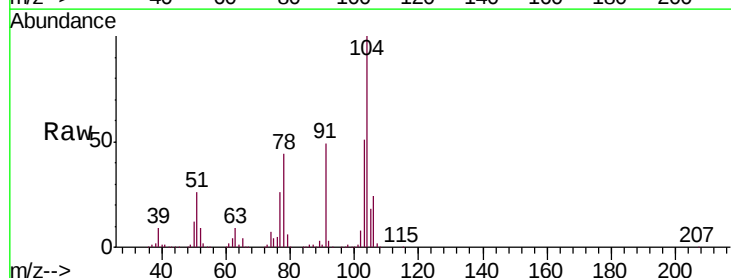
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

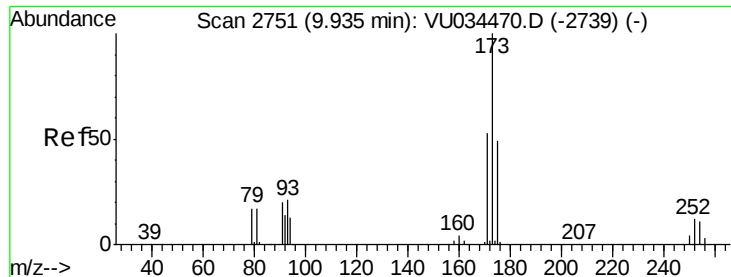
Tgt Ion:106 Resp: 544623
Ion Ratio Lower Upper
106 100
91 211.3 104.7 313.9



#66
Styrene
Concen: 17.169 ug/l
RT: 9.77 min Scan# 2700
Delta R.T. 0.00 min
Lab File: VU034471.D
Acq: 11 Sep 2019 12:01

Tgt Ion:104 Resp: 938749
Ion Ratio Lower Upper
104 100
78 47.5 37.8 56.6
103 54.9 43.8 65.8





#67

Bromoform

Concen: 14.690 ug/l

RT: 9.94 min Scan# 2751

Delta R.T. 0.00 min

Lab File: VU034471.D

Acq: 11 Sep 2019 12:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

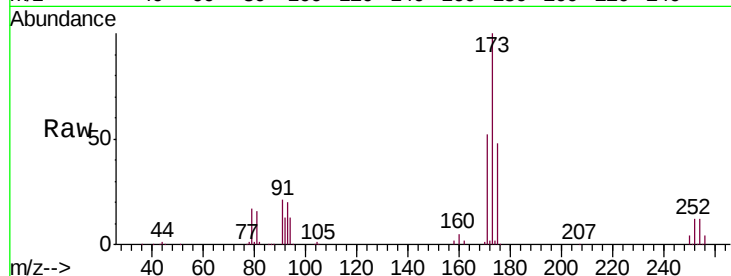
Tgt Ion:173 Resp: 150040

Ion Ratio Lower Upper

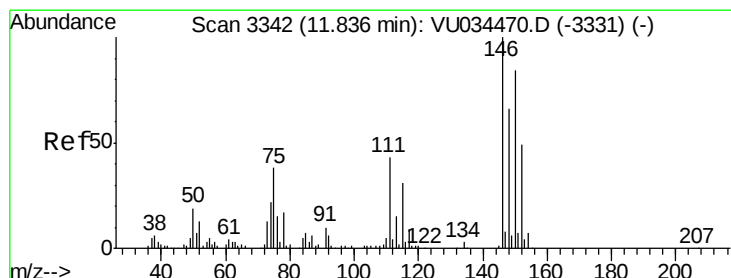
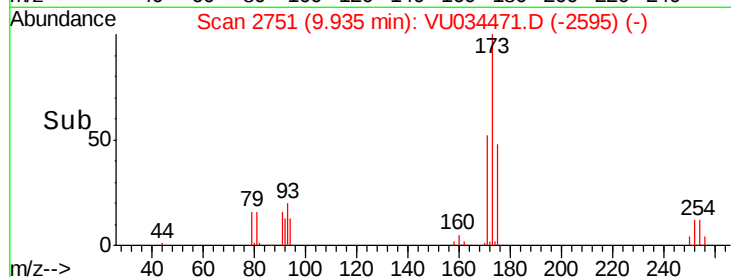
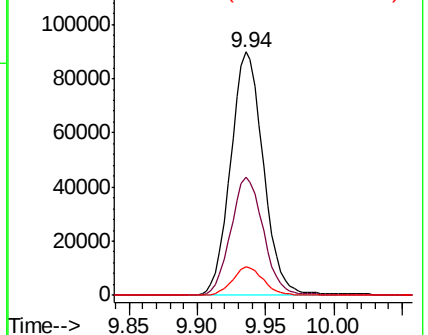
173 100

175 48.4 39.1 58.7

254 11.2 8.6 13.0



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: 1.017 ug/l

RT: 11.84 min Scan# 3342

Delta R.T. 0.00 min

Lab File: VU034471.D

Acq: 11 Sep 2019 12:01

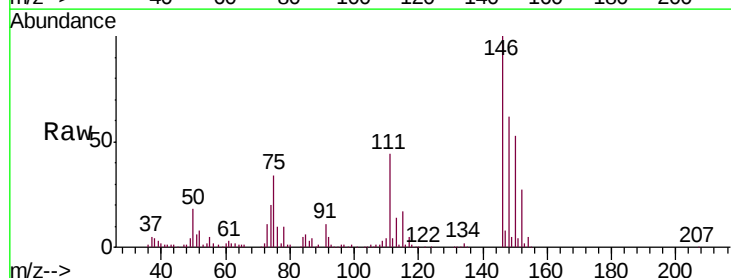
Tgt Ion:152 Resp: 27616

Ion Ratio Lower Upper

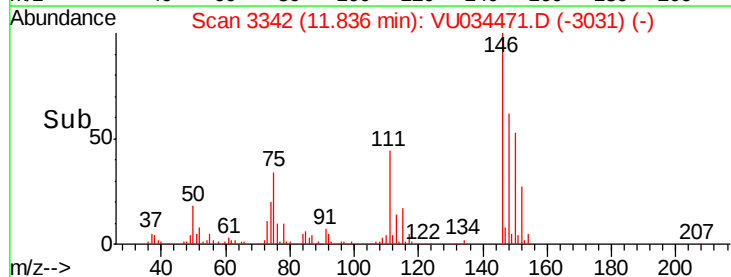
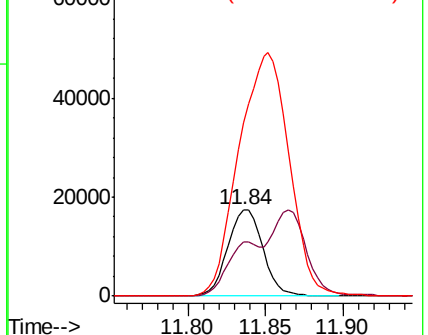
152 100

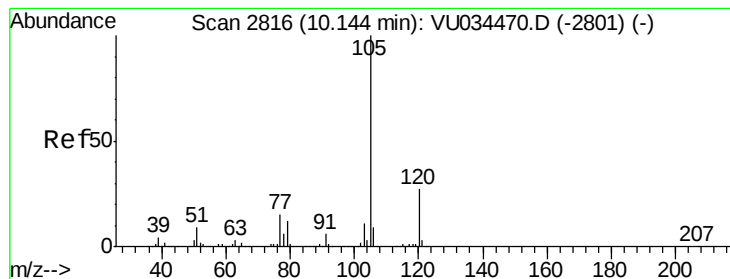
115 54.4 0.0 126.6

150 0.0 0.0 633.6



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: 17.457 ug/l

RT: 10.14 min Scan# 2816

Delta R.T. 0.00 min

Lab File: VU034471.D

Acq: 11 Sep 2019 12:01

Instrument :

MSVOA_U

ClientSampleId :

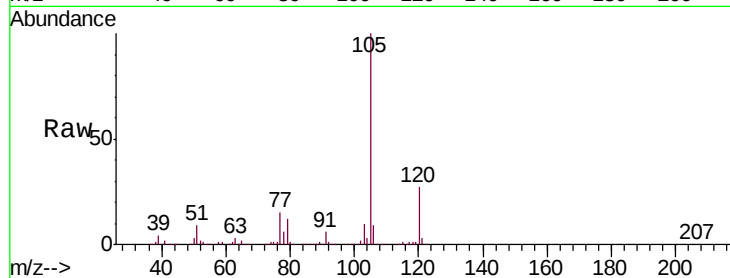
VSTDIC015

Tgt Ion:105 Resp: 1453319

Ion Ratio Lower Upper

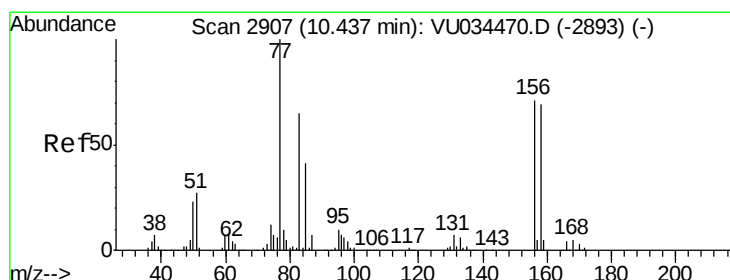
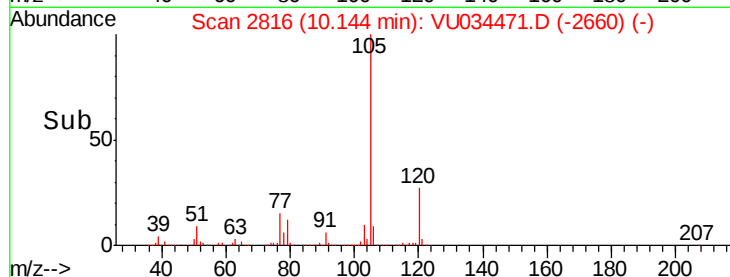
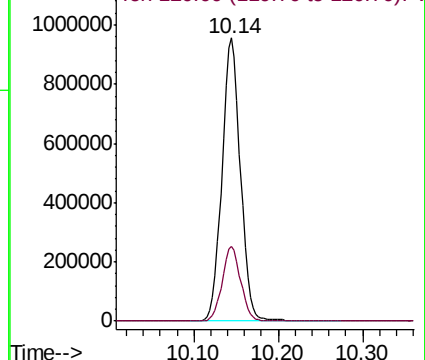
105 100

120 26.6 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#70

1,1,2,2-Tetrachloroethane

Concen: 12.287 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034471.D

Acq: 11 Sep 2019 12:01

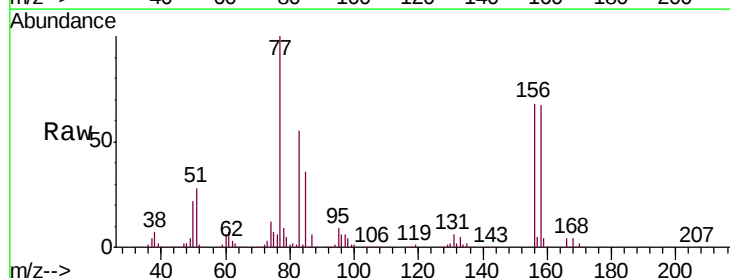
Tgt Ion: 83 Resp: 257888

Ion Ratio Lower Upper

83 100

131 10.2 8.2 12.4

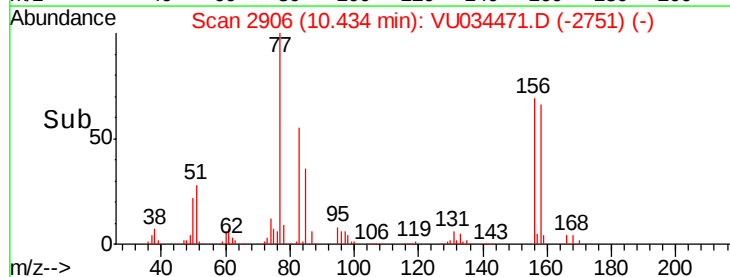
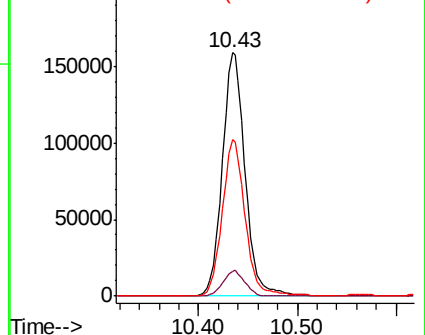
85 64.8 51.9 77.9

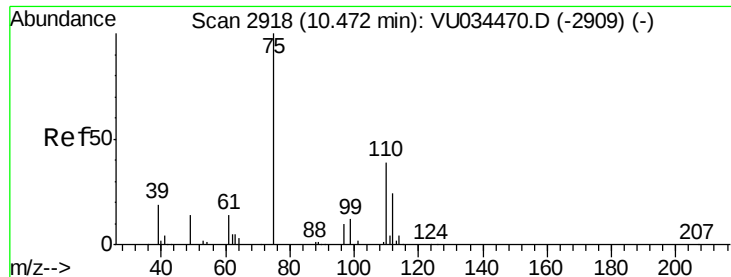


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0





#71

1,2,3-Trichloropropane

Concen: 9.723 ug/l

RT: 10.47 min Scan# 2918

Delta R.T. 0.00 min

Lab File: VU034471.D

Acq: 11 Sep 2019 12:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion: 75 Resp: 158171

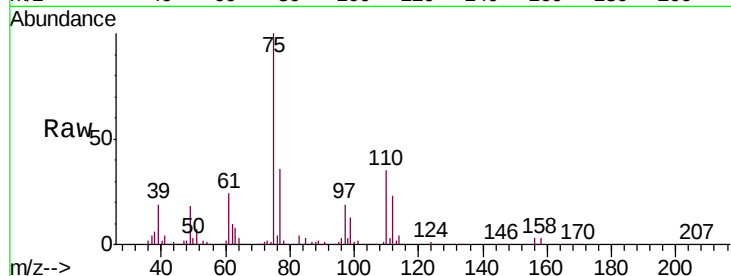
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

110 41.8 0.0 66.8

97 21.7 0.0 35.6

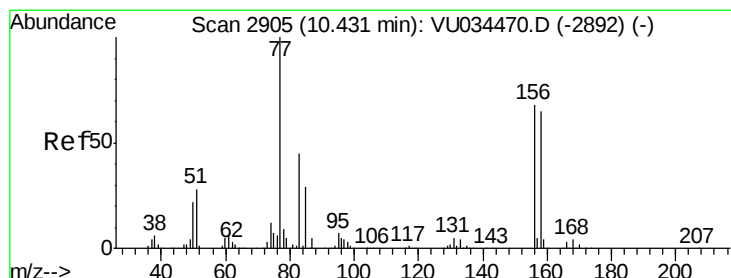
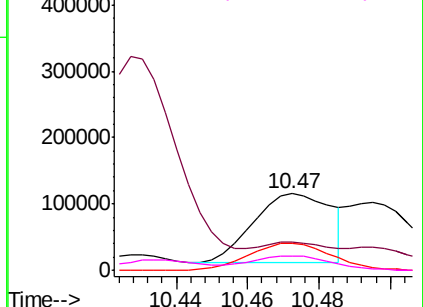
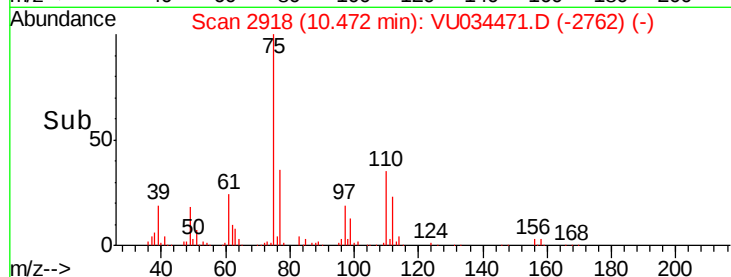


Abundance Ion 75.00 (74.70 to 75.70): VU0

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: 16.077 ug/l

RT: 10.43 min Scan# 2905

Delta R.T. 0.00 min

Lab File: VU034471.D

Acq: 11 Sep 2019 12:01

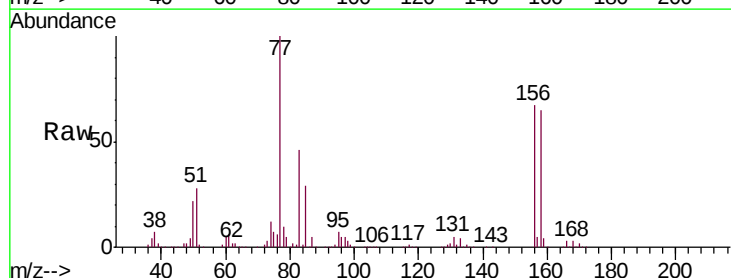
Tgt Ion: 156 Resp: 354133

Ion Ratio Lower Upper

156 100

77 149.3 0.0 293.6

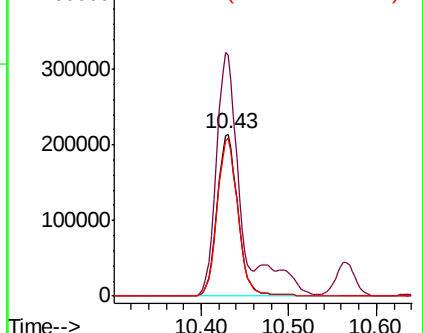
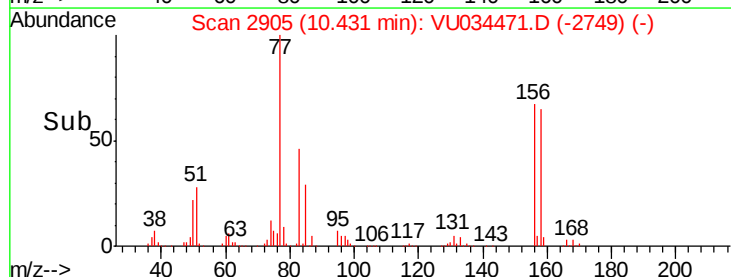
158 97.6 0.0 192.6

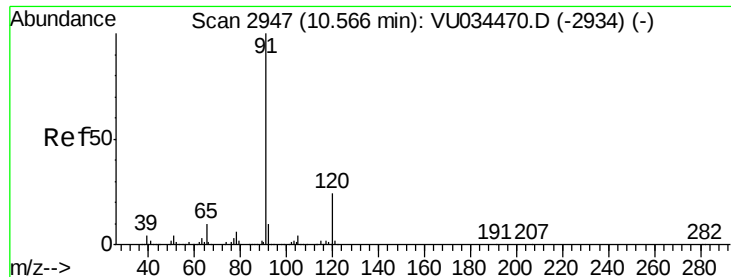


Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 158.00 (157.70 to 158.70): V





#73

n-propylbenzene

Concen: 17.773 ug/l

RT: 10.57 min Scan# 2947

Delta R.T. 0.00 min

Lab File: VU034471.D

Acq: 11 Sep 2019 12:01

Instrument :

MSVOA_U

ClientSampleId :

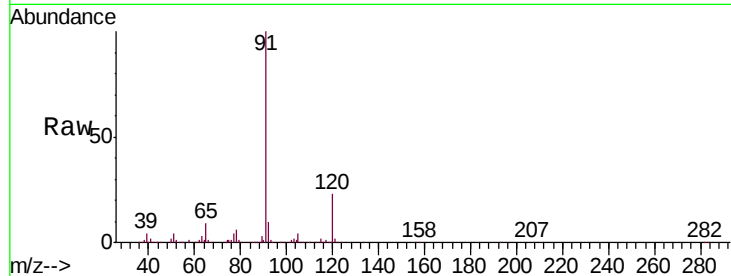
VSTDIC015

Tgt Ion:120 Resp: 422653

Ion Ratio Lower Upper

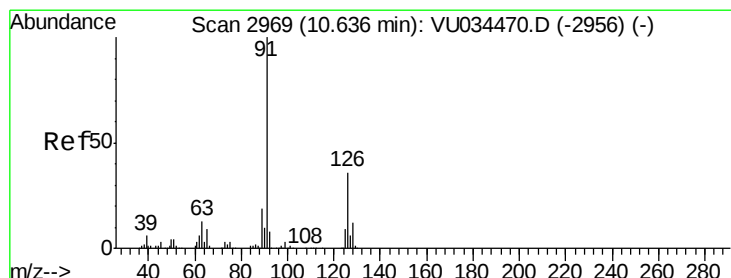
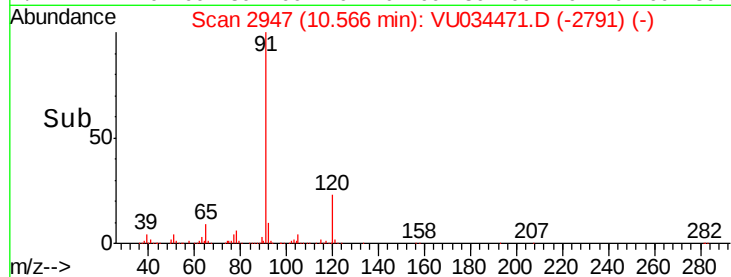
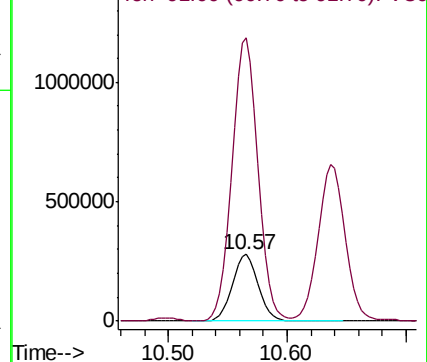
120 100

91 421.9 339.1 508.7



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 16.454 ug/l

RT: 10.64 min Scan# 2969

Delta R.T. 0.00 min

Lab File: VU034471.D

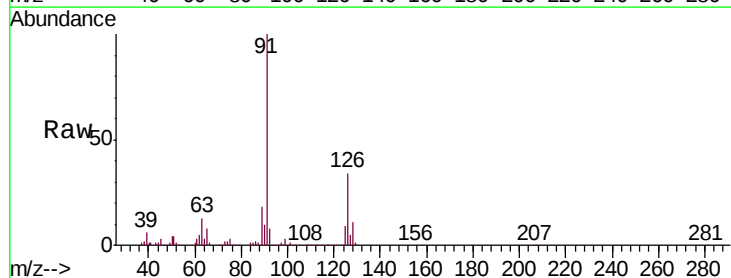
Acq: 11 Sep 2019 12:01

Tgt Ion:126 Resp: 355166

Ion Ratio Lower Upper

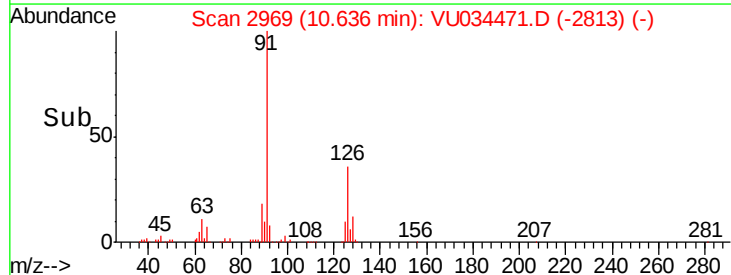
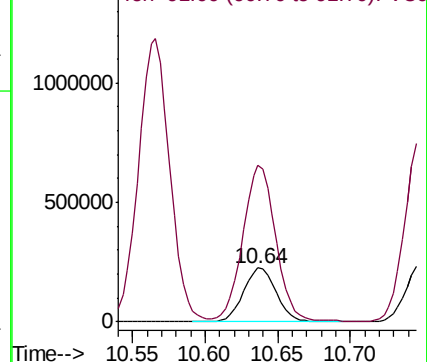
126 100

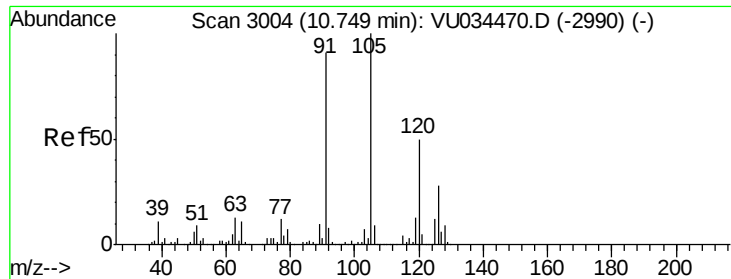
91 291.4 0.0 582.4



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: 17.069 ug/l

RT: 10.75 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VU034471.D

Acq: 11 Sep 2019 12:01

Instrument :

MSVOA_U

ClientSampleId :

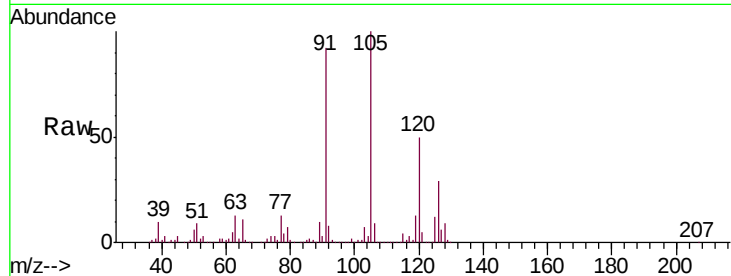
VSTDIC015

Tgt Ion:105 Resp: 1270790

Ion Ratio Lower Upper

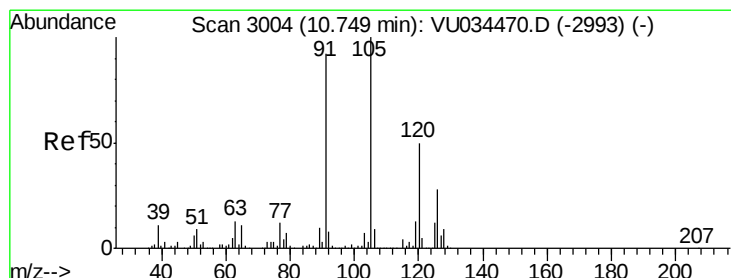
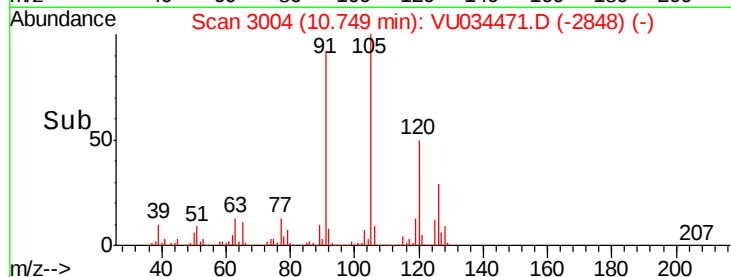
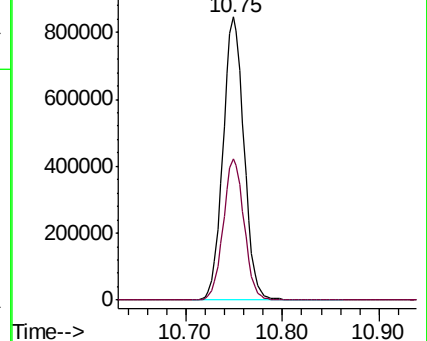
105 100

120 49.6 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: 16.231 ug/l

RT: 10.75 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VU034471.D

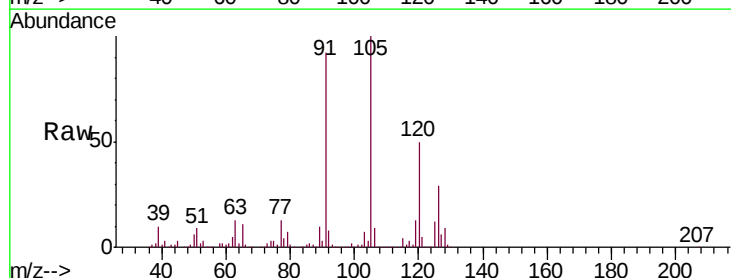
Acq: 11 Sep 2019 12:01

Tgt Ion:126 Resp: 362865

Ion Ratio Lower Upper

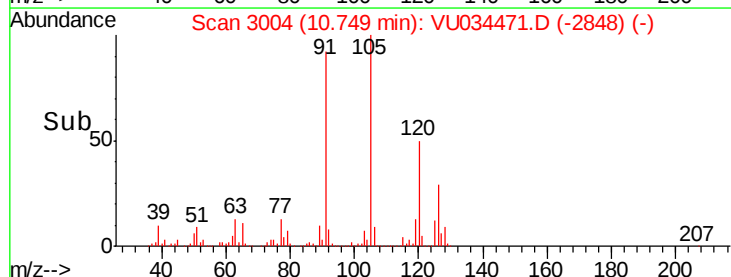
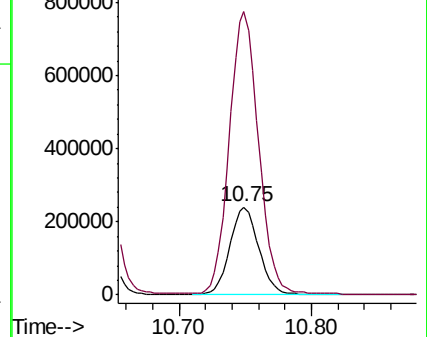
126 100

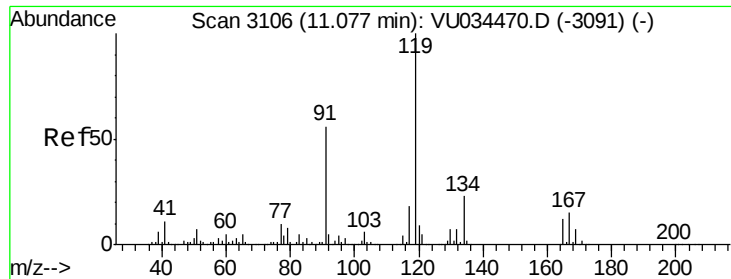
91 329.8 0.0 667.6



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#77

tert-Butylbenzene

Concen: 17.205 ug/l

RT: 11.08 min Scan# 3106

Delta R.T. 0.00 min

Lab File: VU034471.D

Acq: 11 Sep 2019 12:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

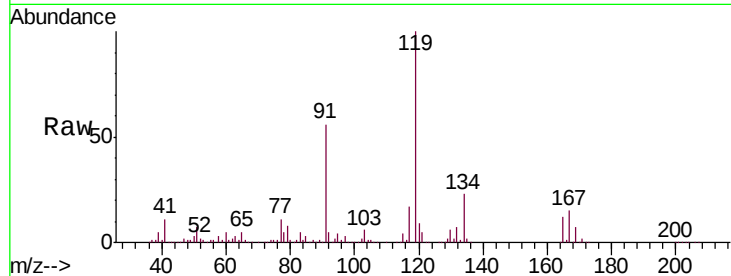
Tgt Ion:119 Resp: 1225708

Ion Ratio Lower Upper

119 100

91 56.3 27.8 83.3

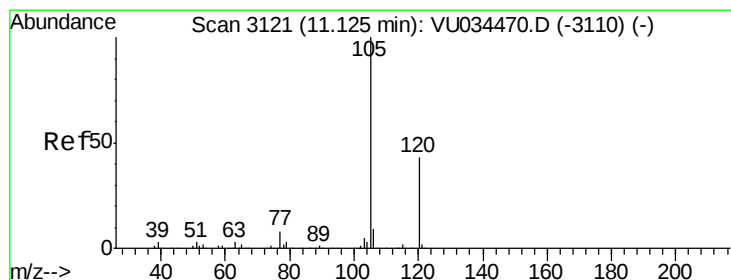
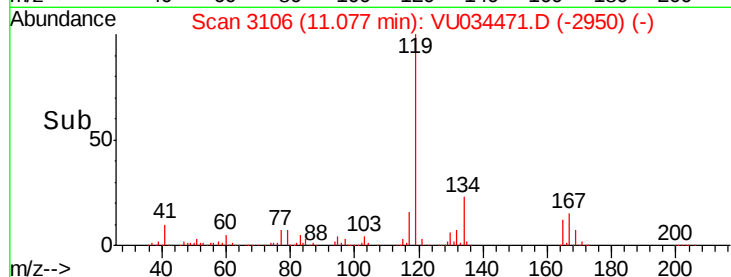
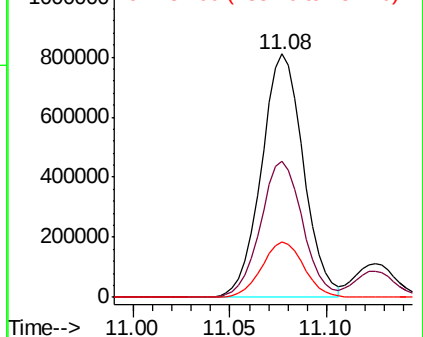
134 23.0 18.4 27.6



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: 17.305 ug/l

RT: 11.13 min Scan# 3121

Delta R.T. 0.00 min

Lab File: VU034471.D

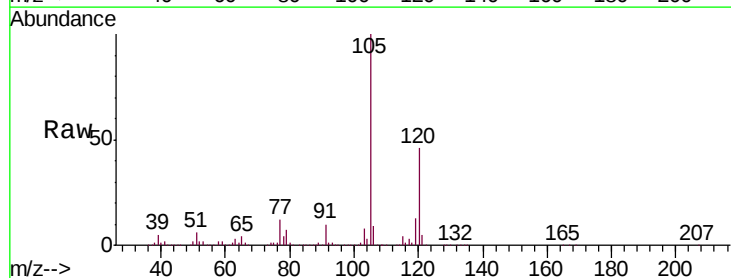
Acq: 11 Sep 2019 12:01

Tgt Ion:105 Resp: 1314640

Ion Ratio Lower Upper

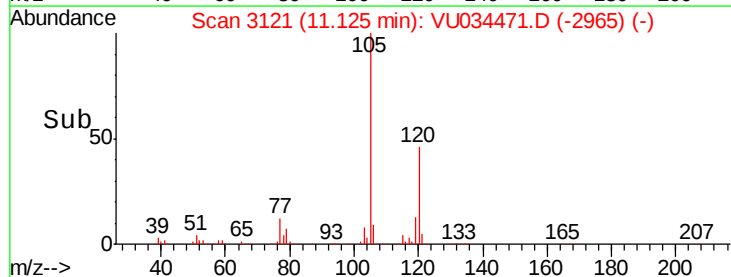
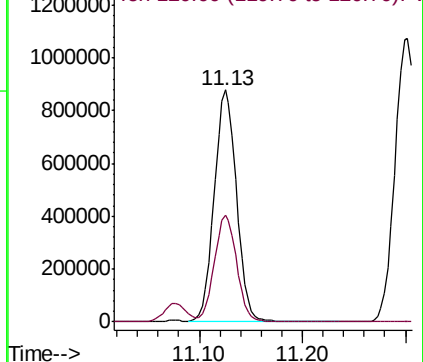
105 100

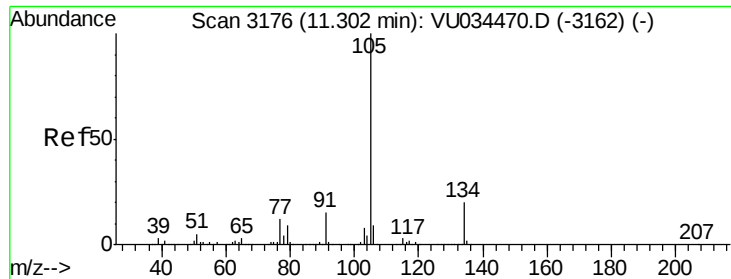
120 46.5 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 16.923 ug/l

RT: 11.30 min Scan# 3176

Delta R.T. 0.00 min

Lab File: VU034471.D

Acq: 11 Sep 2019 12:01

Instrument :

MSVOA_U

ClientSampleId :

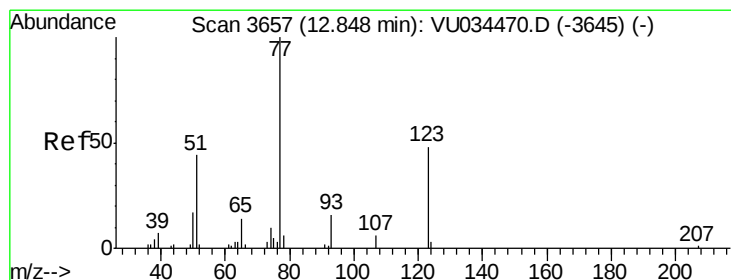
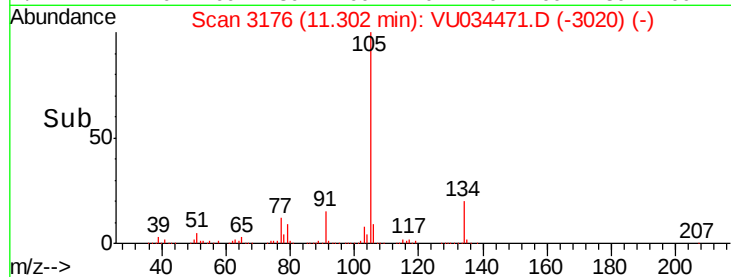
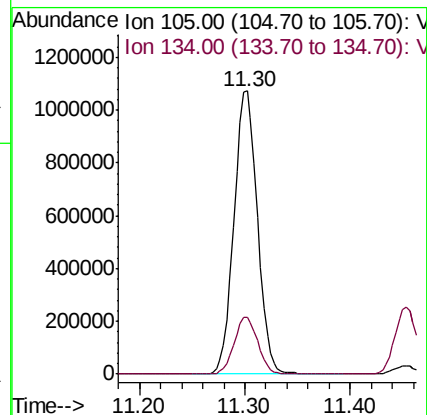
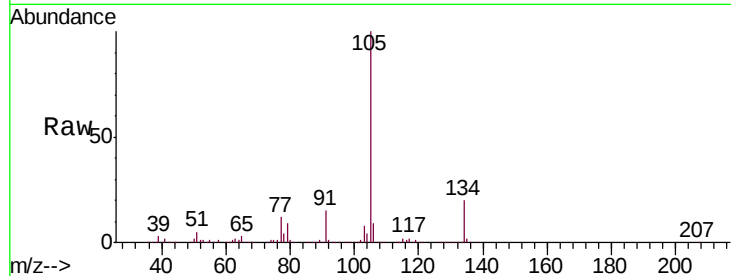
VSTDIC015

Tgt Ion: 105 Resp: 1643667

Ion Ratio Lower Upper

105 100

134 20.2 16.3 24.5



#80

Nitrobenzene

Concen: 46.401 ug/l

RT: 12.85 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VU034471.D

Acq: 11 Sep 2019 12:01

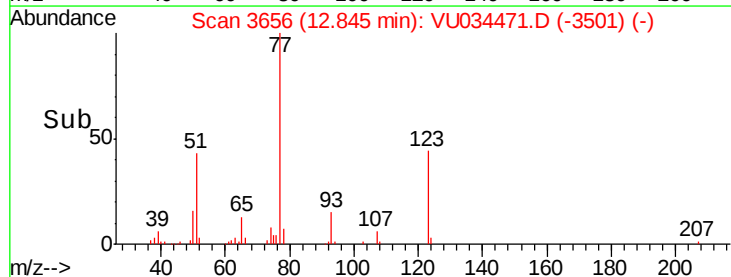
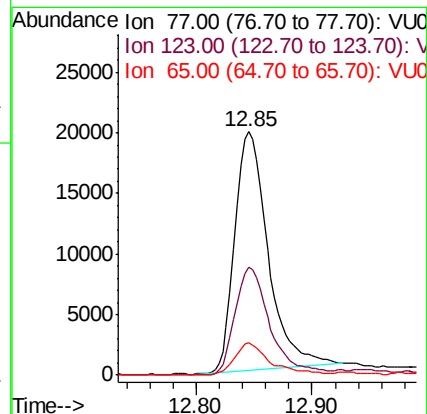
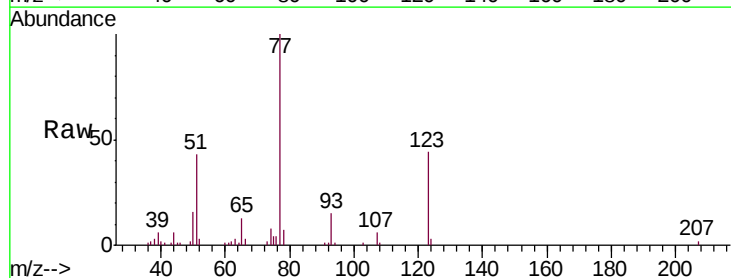
Tgt Ion: 77 Resp: 39431

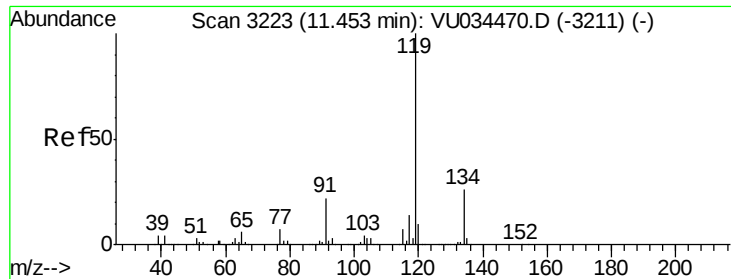
Ion Ratio Lower Upper

77 100

123 44.5 19.0 67.4

65 13.5 8.5 10.9#

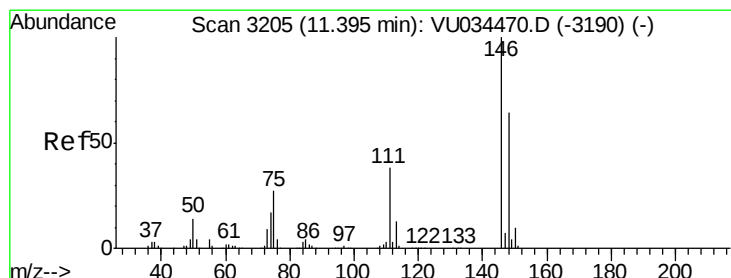
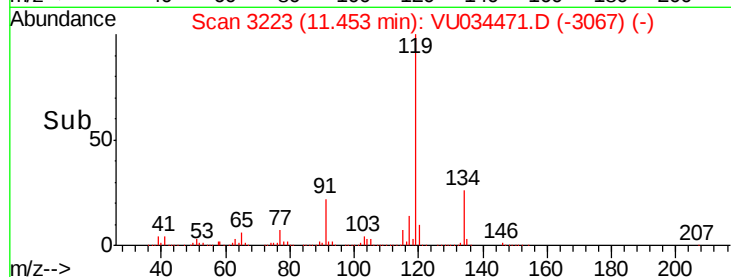
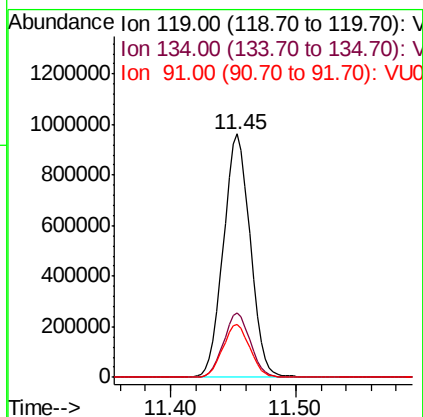
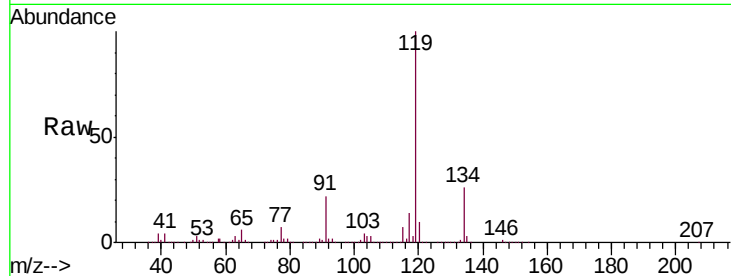




#81
p-Isopropyltoluene
Concen: 17.943 ug/l
RT: 11.45 min Scan# 3223
Delta R.T. 0.00 min
Lab File: VU034471.D
Acq: 11 Sep 2019 12:01

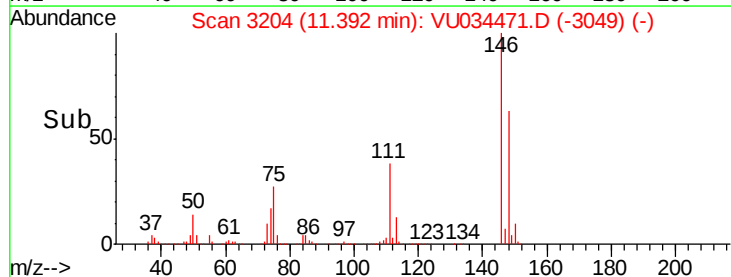
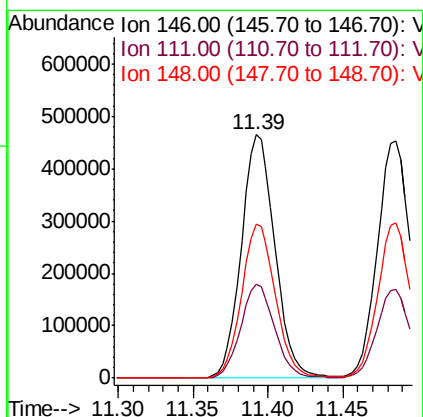
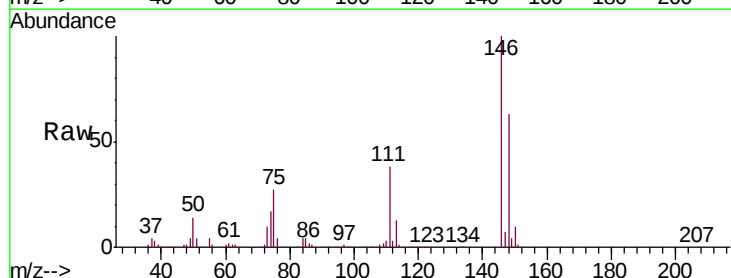
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

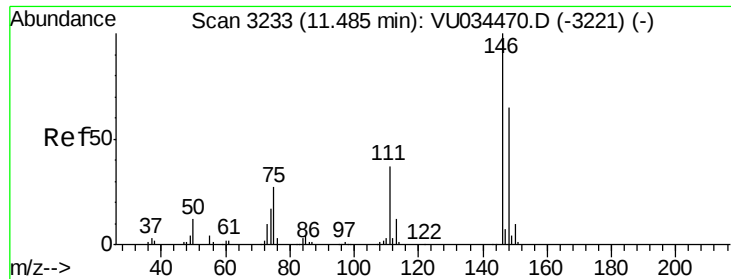
Tgt Ion:119 Resp: 1424722
Ion Ratio Lower Upper
119 100
134 26.4 21.2 31.8
91 21.9 17.6 26.4



#82
1,3-Dichlorobenzene
Concen: 15.621 ug/l
RT: 11.39 min Scan# 3204
Delta R.T. -0.00 min
Lab File: VU034471.D
Acq: 11 Sep 2019 12:01

Tgt Ion:146 Resp: 729246
Ion Ratio Lower Upper
146 100
111 38.6 31.0 46.6
148 63.5 51.5 77.3

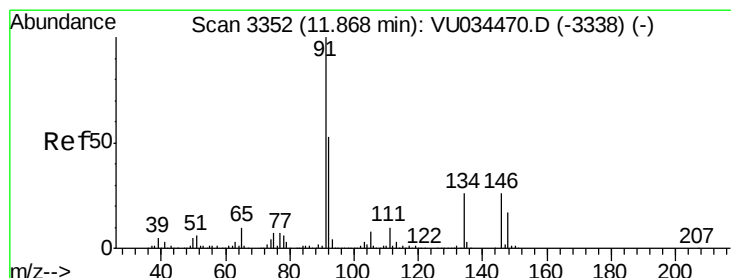
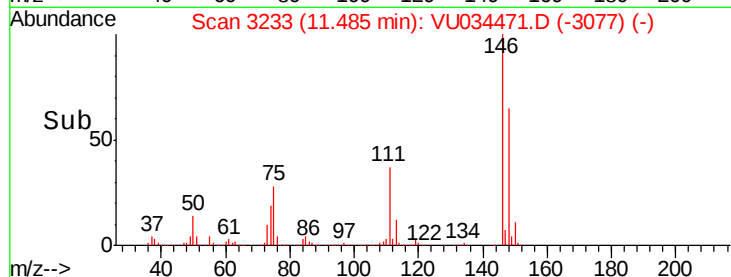
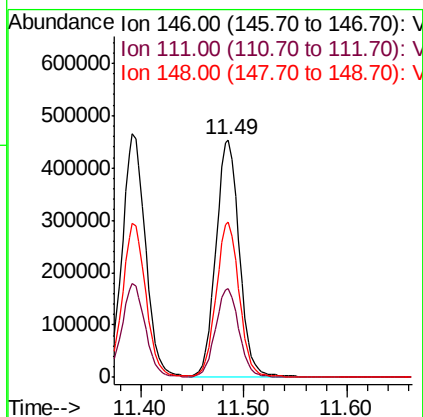
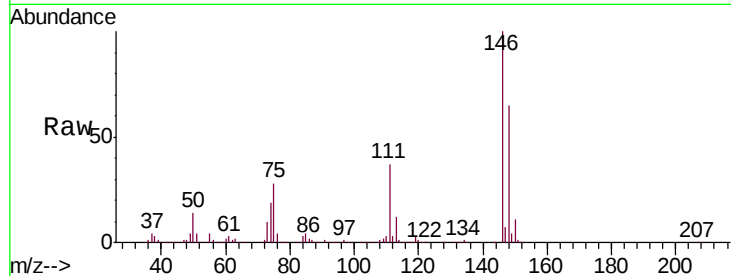




#83
 1,4-Dichlorobenzene
 Concen: 15.502 ug/l
 RT: 11.49 min Scan# 3233
 Delta R.T. 0.00 min
 Lab File: VU034471.D
 Acq: 11 Sep 2019 12:01

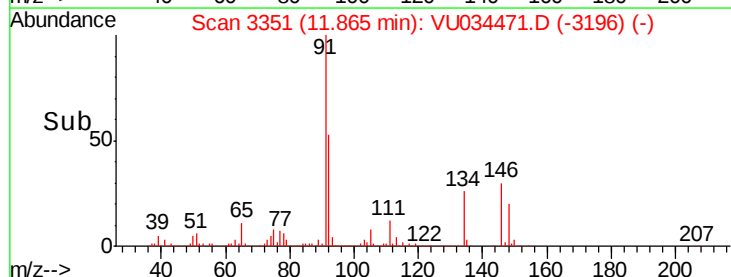
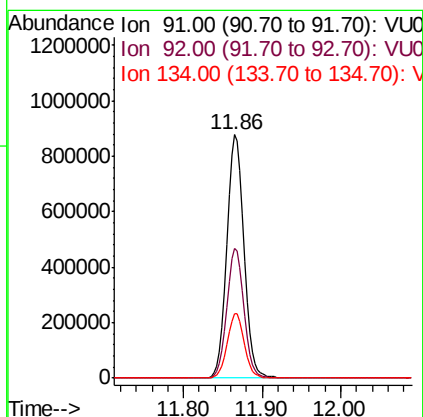
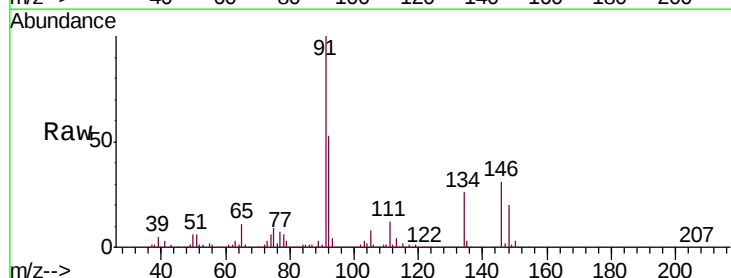
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

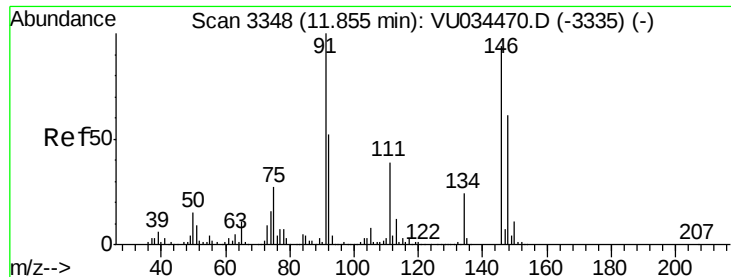
Tgt Ion:146 Resp: 714413
 Ion Ratio Lower Upper
 146 100
 111 37.5 29.5 44.3
 148 64.4 51.0 76.4



#84
 n-Butylbenzene
 Concen: 16.438 ug/l
 RT: 11.86 min Scan# 3351
 Delta R.T. -0.00 min
 Lab File: VU034471.D
 Acq: 11 Sep 2019 12:01

Tgt Ion: 91 Resp: 1315628
 Ion Ratio Lower Upper
 91 100
 92 53.1 42.4 63.6
 134 26.4 21.0 31.4

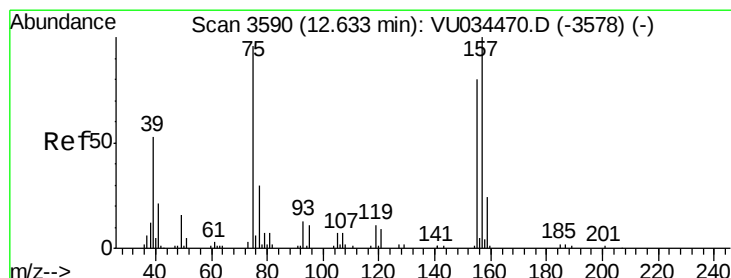
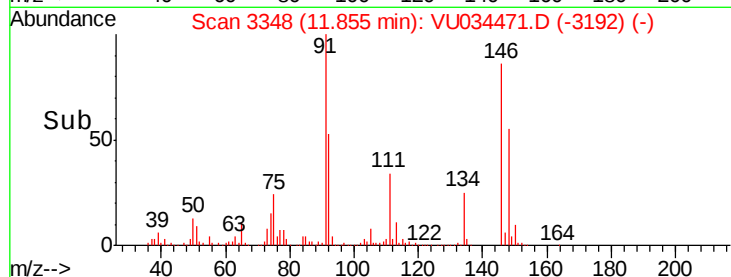
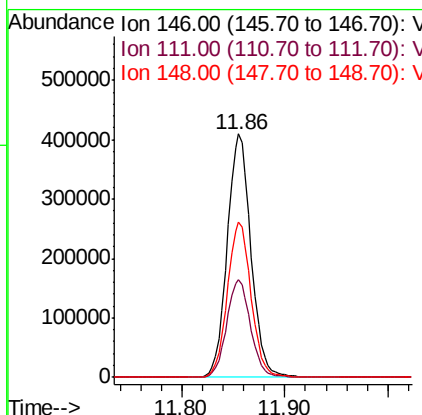
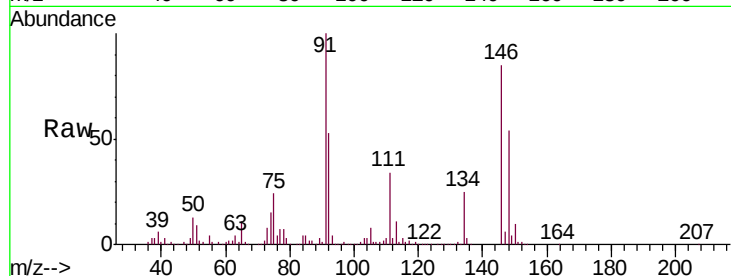




#85
 1,2-Dichlorobenzene
 Concen: 15.077 ug/l
 RT: 11.86 min Scan# 3348
 Delta R.T. 0.00 min
 Lab File: VU034471.D
 Acq: 11 Sep 2019 12:01

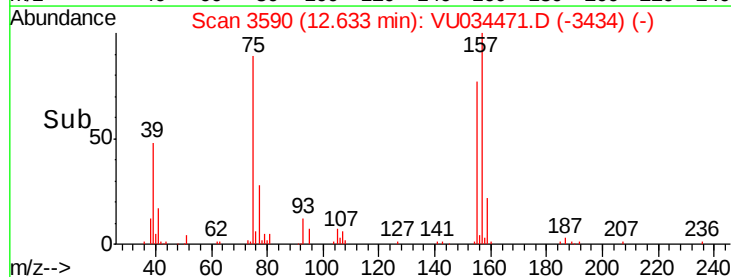
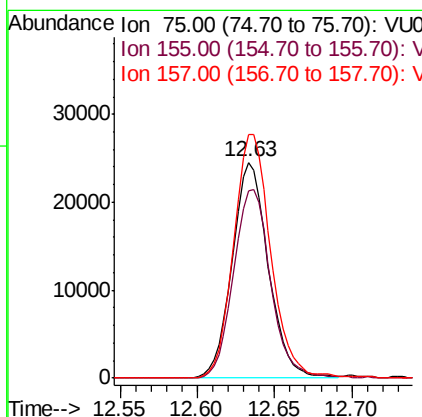
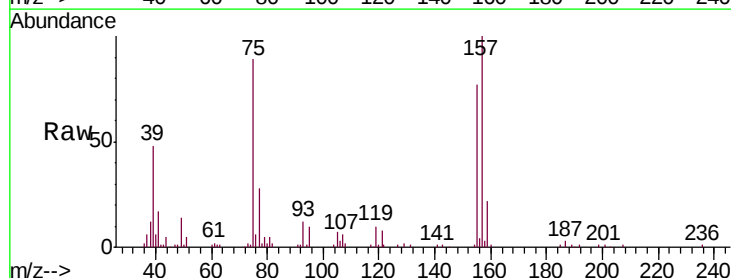
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

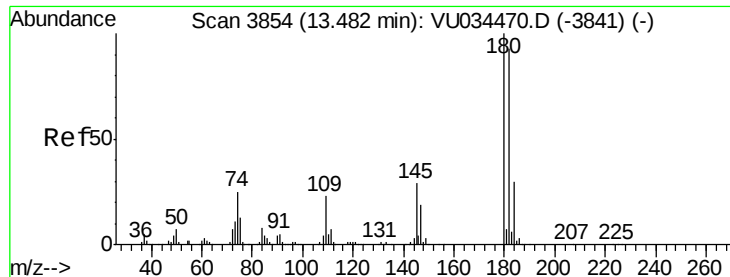
Tgt Ion: 146 Resp: 655781
 Ion Ratio Lower Upper
 146 100
 111 40.5 20.3 60.8
 148 64.0 32.2 96.6



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 12.227 ug/l
 RT: 12.63 min Scan# 3590
 Delta R.T. 0.00 min
 Lab File: VU034471.D
 Acq: 11 Sep 2019 12:01

Tgt Ion: 75 Resp: 39831
 Ion Ratio Lower Upper
 75 100
 155 89.7 68.9 103.3
 157 116.1 89.9 134.9

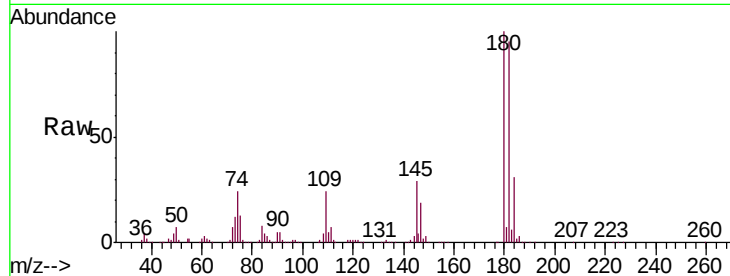




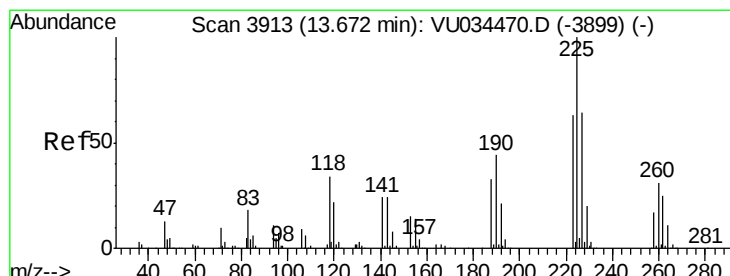
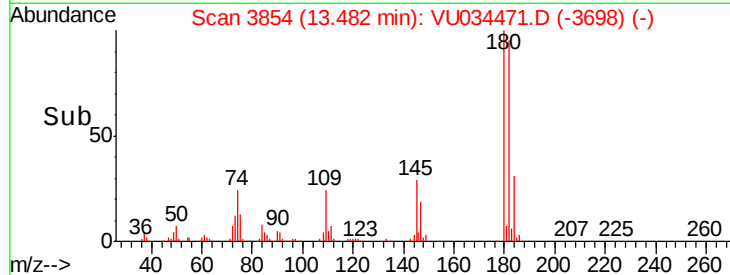
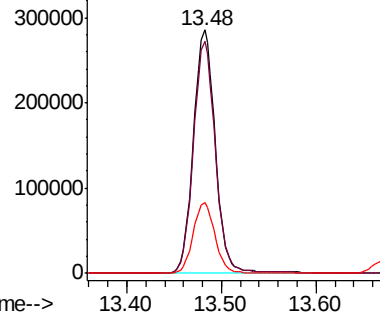
#87
 1,2,4-Trichlorobenzene
 Concen: 17.757 ug/l
 RT: 13.48 min Scan# 3854
 Delta R.T. 0.00 min
 Lab File: VU034471.D
 Acq: 11 Sep 2019 12:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tgt Ion:180 Resp: 460436
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.6 114.8
 145 28.9 23.0 34.6

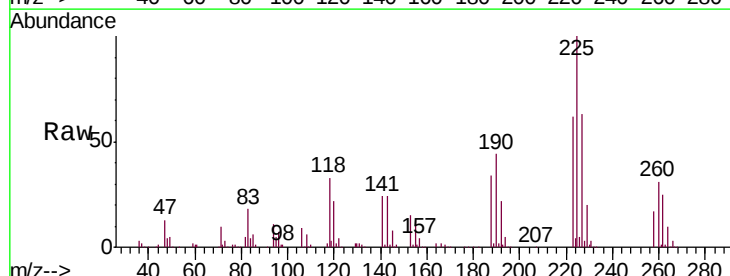


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

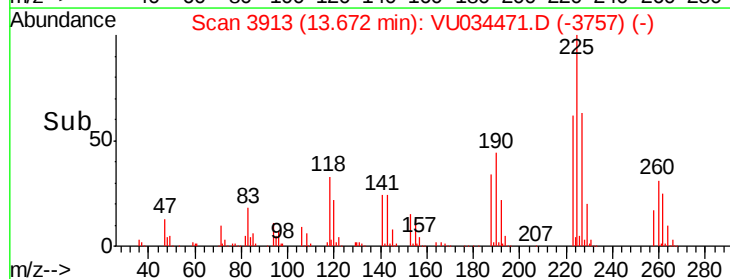
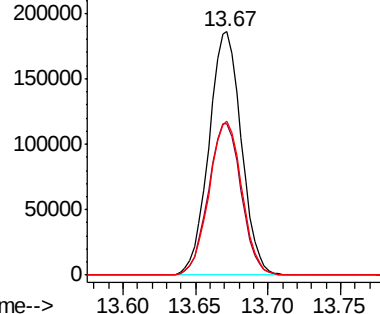


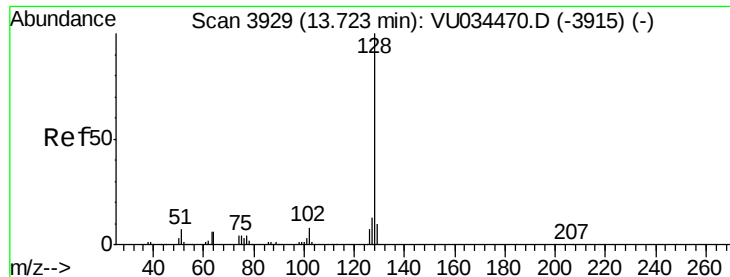
#88
 Hexachlorobutadiene
 Concen: 17.383 ug/l
 RT: 13.67 min Scan# 3913
 Delta R.T. 0.00 min
 Lab File: VU034471.D
 Acq: 11 Sep 2019 12:01

Tgt Ion:225 Resp: 288388
 Ion Ratio Lower Upper
 225 100
 223 63.1 50.3 75.5
 227 63.8 51.1 76.7



Abundance Ion 224.60 (224.30 to 225.30): V
 Ion 222.60 (222.30 to 223.30): V
 Ion 226.60 (226.30 to 227.30): V

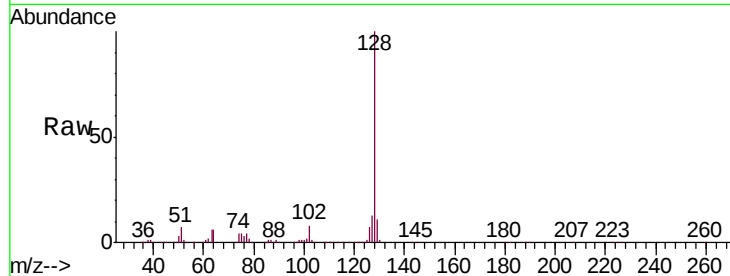




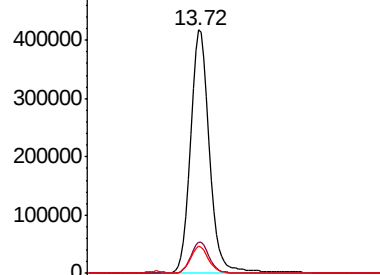
#89
Naphthalene
Concen: 16.268 ug/l
RT: 13.72 min Scan# 3928
Delta R.T. -0.00 min
Lab File: VU034471.D
Acq: 11 Sep 2019 12:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

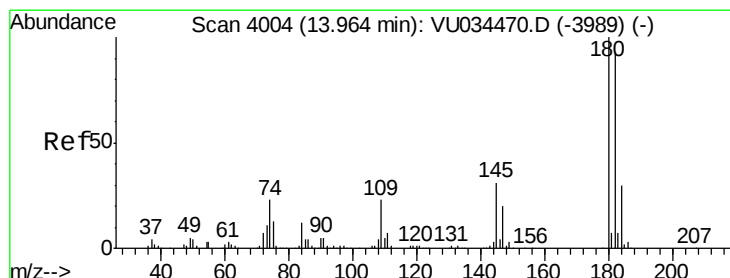
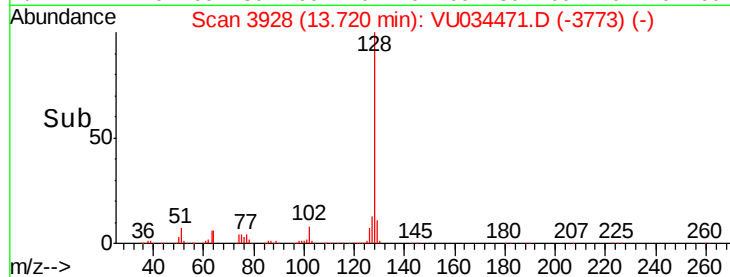
Tgt Ion:128 Resp: 693793
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.2
129 10.4 8.0 12.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

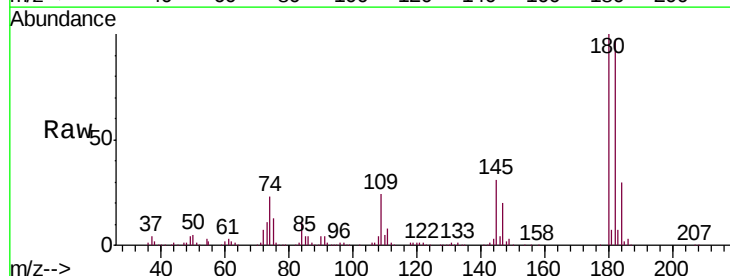


Time--> 13.60 13.70 13.80 13.90

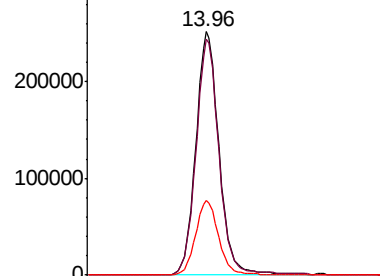


#90
1,2,3-Trichlorobenzene
Concen: 16.622 ug/l
RT: 13.96 min Scan# 4004
Delta R.T. 0.00 min
Lab File: VU034471.D
Acq: 11 Sep 2019 12:01

Tgt Ion:180 Resp: 415917
Ion Ratio Lower Upper
180 100
182 96.7 75.4 113.2
145 30.4 24.5 36.7



Abundance Ion 179.70 (179.40 to 180.40): V
Ion 181.70 (181.40 to 182.40): V
Ion 144.80 (144.50 to 145.50): V



Time--> 13.90 14.00 14.10

