

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090719\
 Data File : VU034315.D
 Acq On : 06 Sep 2019 08:52
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 06 12:23:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 05:10:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	312356	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	442121	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	441519	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	292934	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.29	65	231444	48.97	ug/l	0.00
Spiked Amount			Recovery	=	97.94%	
35) Dibromofluoromethane	4.86	113	205821	50.03	ug/l	0.00
Spiked Amount			Recovery	=	100.06%	
50) Toluene-d8	7.54	98	811862	52.53	ug/l	0.00
Spiked Amount			Recovery	=	105.06%	
62) 4-Bromofluorobenzene	10.29	95	307333	51.50	ug/l	0.00
Spiked Amount			Recovery	=	103.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	155149	47.493	ug/l	99
3) Chloromethane	1.32	50	173702	49.215	ug/l	98
4) Vinyl Chloride	1.40	62	185495	45.567	ug/l	100
5) Bromomethane	1.61	94	112855	55.054	ug/l	100
6) Chloroethane	1.69	64	118673	50.160	ug/l	97
7) Trichlorofluoromethane	1.87	101	257797	47.231	ug/l	98
8) Diethyl Ether	2.09	74	111707	46.527	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.27	101	174772	48.344	ug/l	99
10) Methyl Iodide	2.40	142	150383	45.816	ug/l	100
11) Tert butyl alcohol	2.81	59	249897	250.287	ug/l	100
12) 1,1-Dichloroethene	2.27	96	159381	46.898	ug/l	98
13) Acrolein	2.18	56	172774	205.885	ug/l	99
14) Allyl chloride	2.58	41	268243	41.286	ug/l	92
15) Acrylonitrile	2.92	53	629853	253.324	ug/l	99
16) Acetone	2.31	43	717500	293.372	ug/l	99
17) Carbon Disulfide	2.46	76	335417	43.914	ug/l	100
18) Methyl Acetate	2.60	43	270710	45.489	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	615789	49.712	ug/l	99
20) Methylene Chloride	2.68	84	201848	50.391	ug/l	99
21) trans-1,2-Dichloroethene	2.96	96	170378	47.574	ug/l	99
22) Diisopropyl ether	3.55	45	629759	49.703	ug/l	97
23) Vinyl Acetate	3.50	43	2649636	256.726	ug/l	99
24) 1,1-Dichloroethane	3.42	63	355418	46.971	ug/l	100
25) 2-Butanone	4.23	43	907686	278.031	ug/l	99
26) 2,2-Dichloropropane	4.20	77	295365	48.534	ug/l	99
27) cis-1,2-Dichloroethene	4.20	96	213695	49.130	ug/l	98
28) Bromochloromethane	4.52	49	164464	47.255	ug/l	98
29) Tetrahydrofuran	4.61	42	509278	256.359	ug/l	100
30) Chloroform	4.65	83	357688	46.506	ug/l	99
31) Cyclohexane	4.97	56	261963	47.323	ug/l	98
32) 1,1,1-Trichloroethane	4.89	97	290929	47.310	ug/l	99
36) 1,1-Dichloropropene	5.12	75	238016	49.640	ug/l	99
37) Ethyl Acetate	4.36	43	286760	50.583	ug/l	99
38) Carbon Tetrachloride	5.11	117	249180	48.672	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	263541	51.416	ug/l	99
40) Benzene	5.37	78	761065	49.190	ug/l	100
41) Methacrylonitrile	4.52	41	160320	53.091	ug/l	99
42) 1,2-Dichloroethane	5.38	62	259066	48.228	ug/l	100
43) Isopropyl Acetate	5.53	43	445288	50.351	ug/l	99
44) Trichloroethene	6.16	130	210159	49.087	ug/l	98
45) 1,2-Dichloropropane	6.41	63	223639	49.444	ug/l	99
46) Dibromomethane	6.54	93	139061	48.980	ug/l	98
47) Bromodichloromethane	6.74	83	288602	49.383	ug/l	100
48) Methyl methacrylate	6.60	41	215311	51.260	ug/l	99
49) 1,4-Dioxane	6.59	88	109545	1194.325	ug/l	98
51) 4-Methyl-2-Pentanone	7.44	43	1563116	255.345	ug/l	99
52) Toluene	7.62	92	488807	50.364	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	311832	51.473	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	340095	51.149	ug/l	98
55) 1,1,2-Trichloroethane	8.04	97	215124	48.814	ug/l	97
56) Ethyl methacrylate	8.00	69	322683	48.305	ug/l	99
57) 1,3-Dichloropropane	8.22	76	356981	49.745	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	562378	248.378	ug/l	100
59) 2-Hexanone	8.34	43	1252443	273.870	ug/l	99
60) Dibromochloromethane	8.46	129	239555	50.678	ug/l	98
61) 1,2-Dibromoethane	8.57	107	219241	50.827	ug/l	100
64) Tetrachloroethene	8.21	164	189161	49.384	ug/l	97
65) Chlorobenzene	9.10	112	568012	50.708	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	212720	49.760	ug/l	99
67) Ethyl Benzene	9.23	91	961268	52.485	ug/l	98
68) m/p-Xylenes	9.35	106	747201	108.341	ug/l	100
69) o-Xylene	9.76	106	360224	53.408	ug/l	100
70) Styrene	9.77	104	661121	55.907	ug/l	99
71) Bromoform	9.94	173	190038	51.294	ug/l #	100
73) Isopropylbenzene	10.15	105	996578	52.277	ug/l	100
74) N-amyl acetate	9.99	43	414089	53.963	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	373581	48.414	ug/l	100
76) 1,2,3-Trichloropropane	10.47	75	413161	64.615	ug/l	84
77) Bromobenzene	10.43	156	268153	50.307	ug/l	99
78) n-propylbenzene	10.57	91	1175934	53.412	ug/l	100
79) 2-Chlorotoluene	10.64	91	702882	52.323	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	880278	55.212	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.47	75	415140	218.336	ug/l #	100
82) 4-Chlorotoluene	10.75	91	816733	52.831	ug/l	100
83) tert-Butylbenzene	11.08	119	849863	53.284	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	886439	55.233	ug/l	99
85) sec-Butylbenzene	11.30	105	1022181	54.286	ug/l	100
86) p-Isopropyltoluene	11.46	119	961714	55.336	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	503092	51.722	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	502052	49.486	ug/l	100
89) n-Butylbenzene	11.87	91	858538	56.845	ug/l	100
90) Hexachloroethane	12.12	117	144176	51.852	ug/l	99
91) 1,2-Dichlorobenzene	11.86	146	487875	51.037	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	76541	53.980	ug/l	99

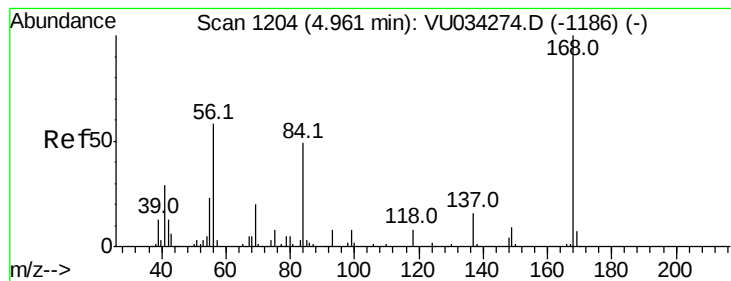
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	343544	49.583	ug/l	100
94) Hexachlorobutadiene	13.67	225	172985	51.733	ug/l	100
95) Naphthalene	13.72	128	920757	47.387	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	333348	49.792	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

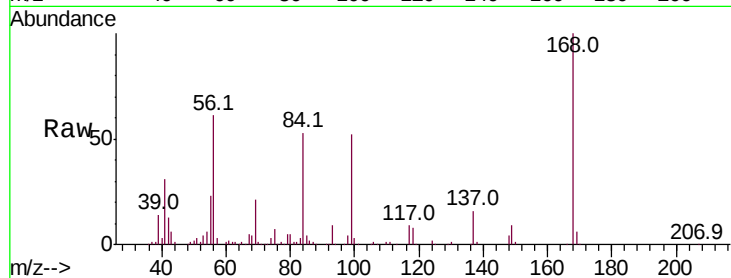
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:168 Resp: 312356

Ion Ratio Lower Upper

168 100

99 51.4 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): VU034274.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU034274.D (-1186) (-)

4.96

150000

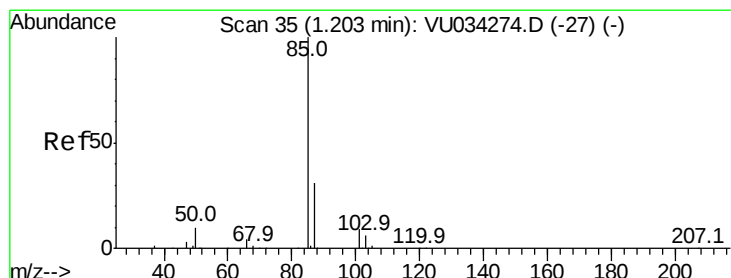
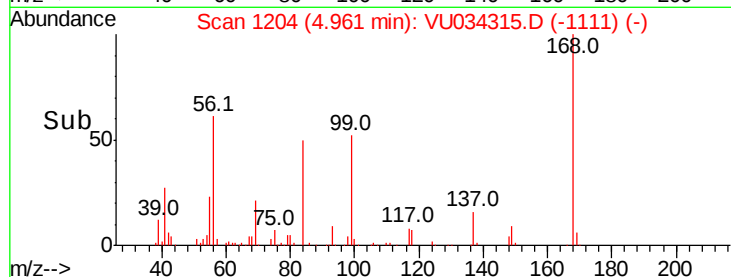
100000

50000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 47.493 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034315.D

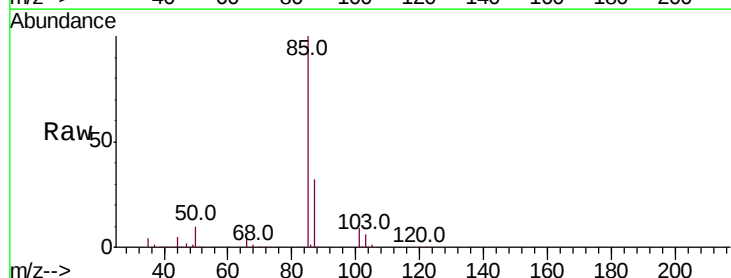
Acq: 06 Sep 2019 08:52

Tgt Ion: 85 Resp: 155149

Ion Ratio Lower Upper

85 100

87 31.8 15.7 47.0



Abundance Ion 84.90 (84.60 to 85.60): VU034274.D (-27) (-)

Ion 86.90 (86.60 to 87.60): VU034274.D (-27) (-)

1.20

150000

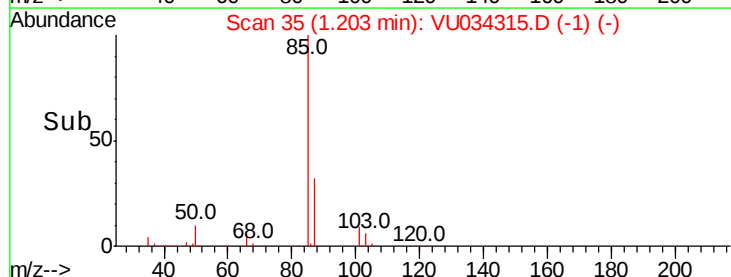
100000

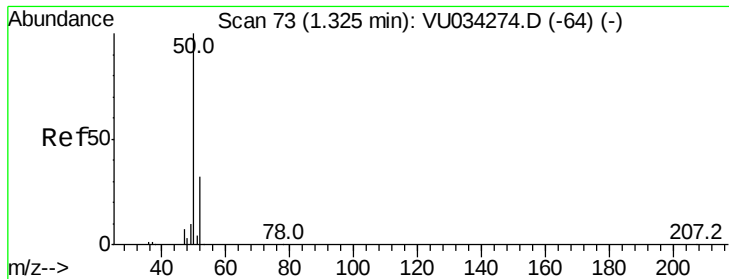
50000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 49.215 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

Instrument :

MSVOA_U

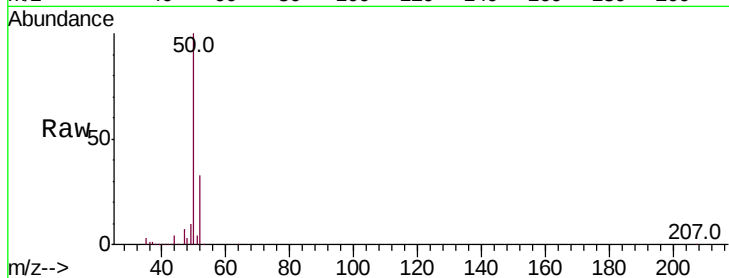
ClientSampleId :

Tot Ion: 50 Resp: 173702

Ion Ratio Lower Upper

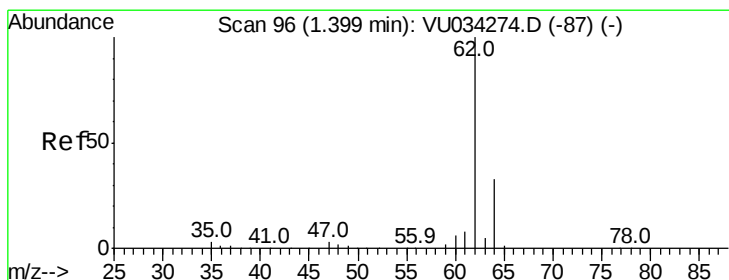
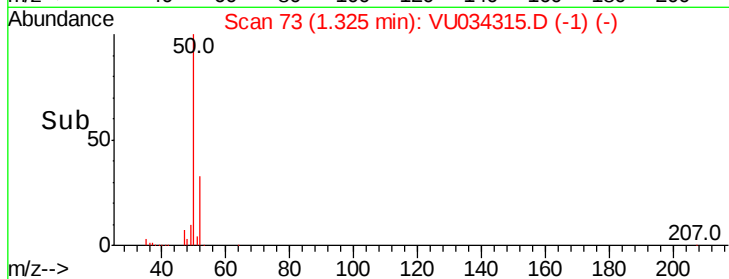
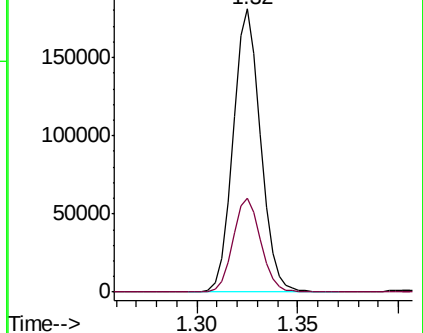
50 100

52 33.3 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VU034274.D (-64) (-)

Ion 51.90 (51.60 to 52.60): VU034315.D (-1) (-)



#4

Vinyl Chloride

Concen: 45.567 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034315.D

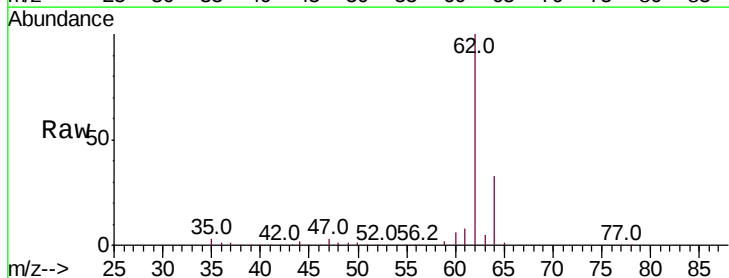
Acq: 06 Sep 2019 08:52

Tgt Ion: 62 Resp: 185495

Ion Ratio Lower Upper

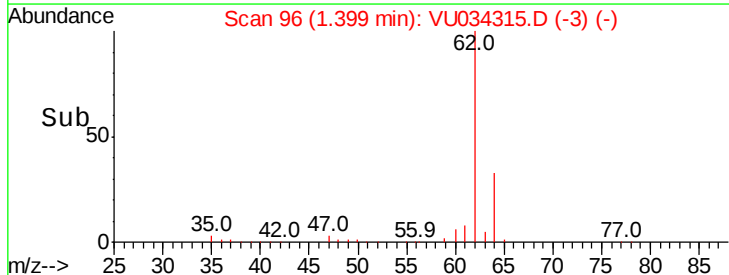
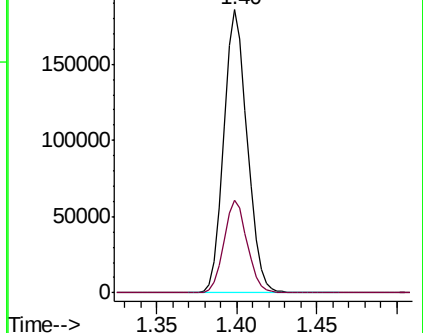
62 100

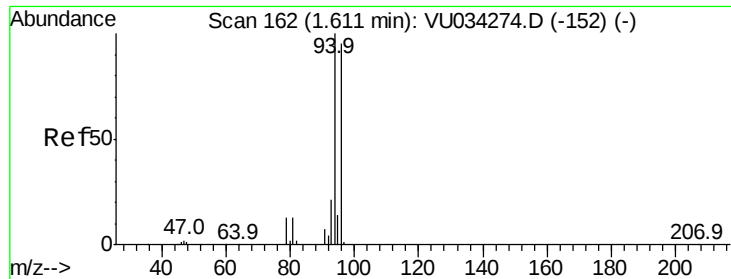
64 33.0 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VU034274.D (-87) (-)

Ion 63.90 (63.60 to 64.60): VU034315.D (-3) (-)





#5

Bromomethane

Concen: 55.054 ug/l

RT: 1.61 min Scan# 162

Delta R.T. 0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

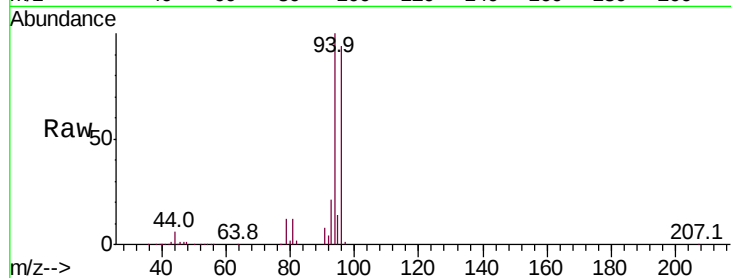
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 94 Resp: 112855

Ion Ratio Lower Upper

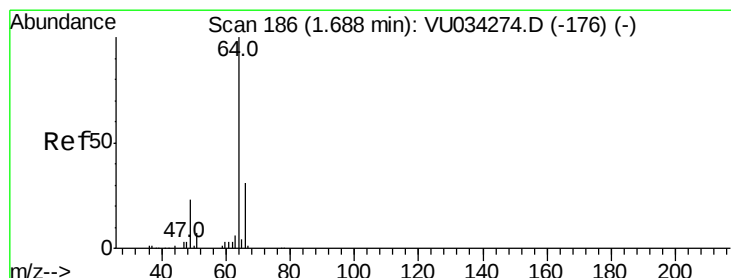
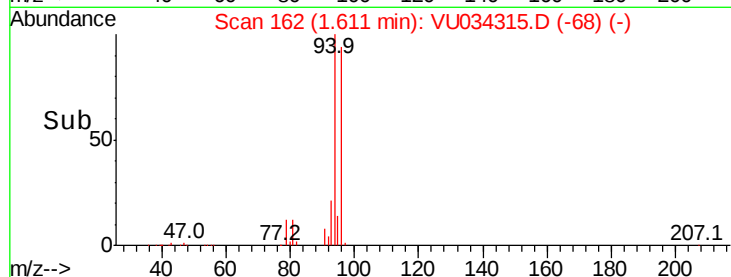
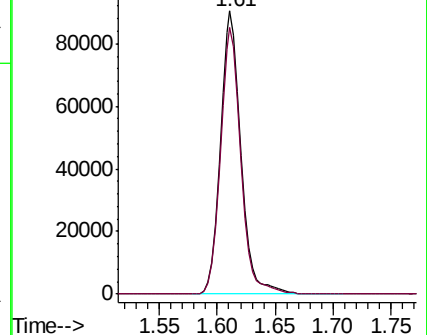
94 100

96 94.5 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VU034315.D (-152) (-)

Ion 95.90 (95.60 to 96.60): VU034315.D (-152) (-)



#6

Chloroethane

Concen: 50.160 ug/l

RT: 1.69 min Scan# 186

Delta R.T. 0.00 min

Lab File: VU034315.D

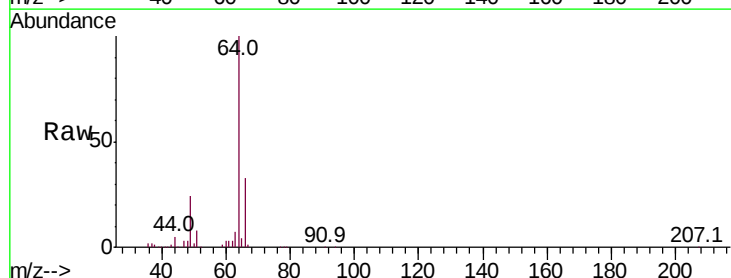
Acq: 06 Sep 2019 08:52

Tgt Ion: 64 Resp: 118673

Ion Ratio Lower Upper

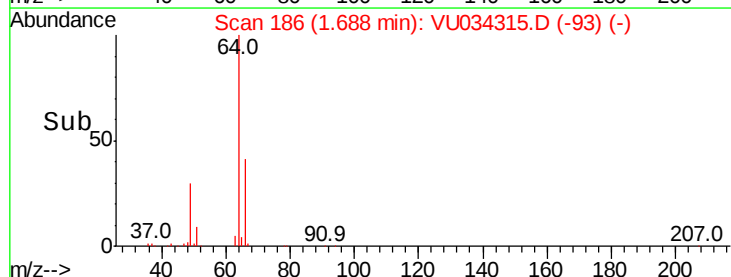
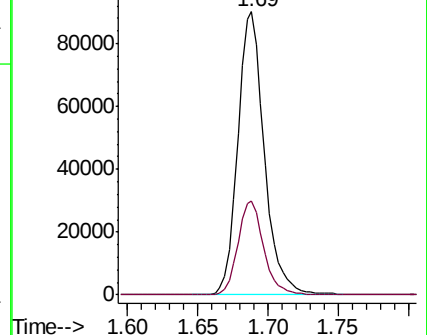
64 100

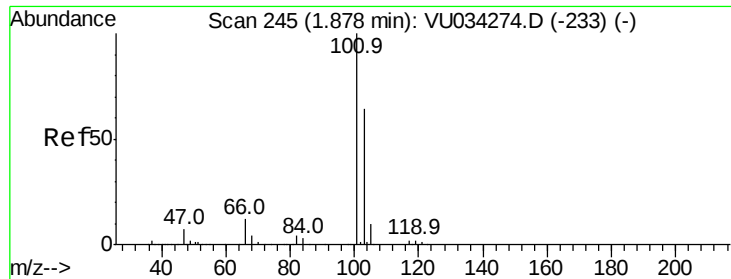
66 33.1 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU034315.D (-176) (-)

Ion 65.90 (65.60 to 66.60): VU034315.D (-176) (-)



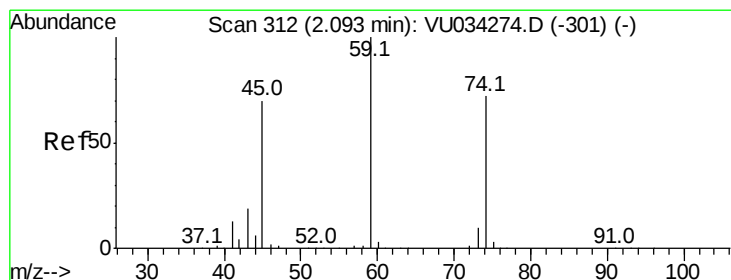
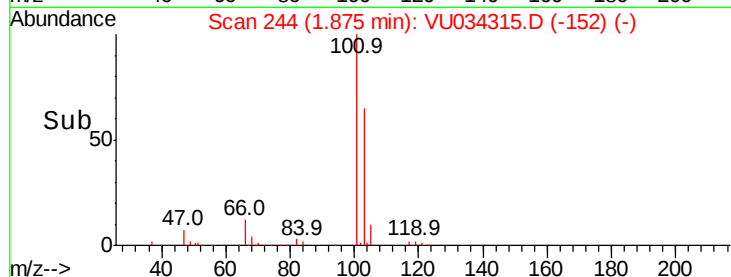
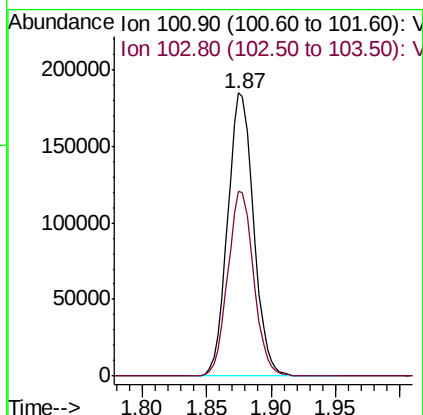
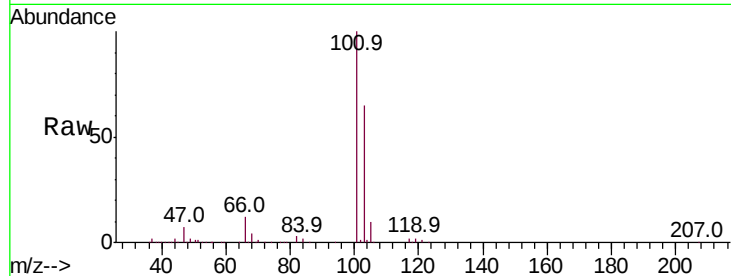


#7

Trichlorofluoromethane
 Concen: 47.231 ug/l
 RT: 1.87 min Scan# 244
 Delta R.T. -0.00 min
 Lab File: VU034315.D
 Acq: 06 Sep 2019 08:52

Instrument :
 MSVOA_U
 ClientSampleId :

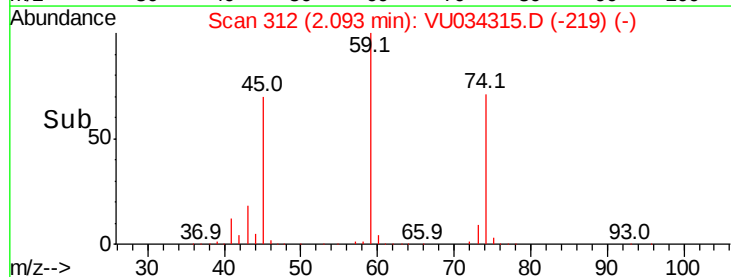
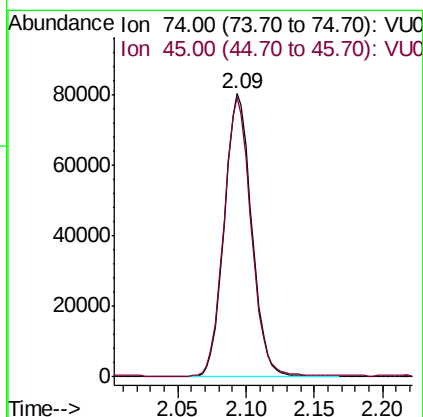
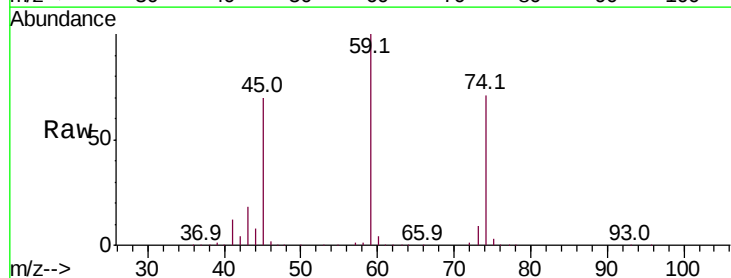
Tot Ion:101 Resp: 257797
 Ion Ratio Lower Upper
 101 100
 103 65.4 51.0 76.6

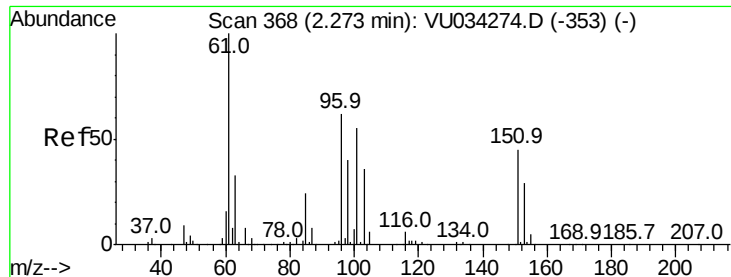


#8

Diethyl Ether
 Concen: 46.527 ug/l
 RT: 2.09 min Scan# 312
 Delta R.T. 0.00 min
 Lab File: VU034315.D
 Acq: 06 Sep 2019 08:52

Tgt Ion: 74 Resp: 111707
 Ion Ratio Lower Upper
 74 100
 45 98.2 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.344 ug/l

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

Instrument :

MSVOA_U

ClientSampleId :

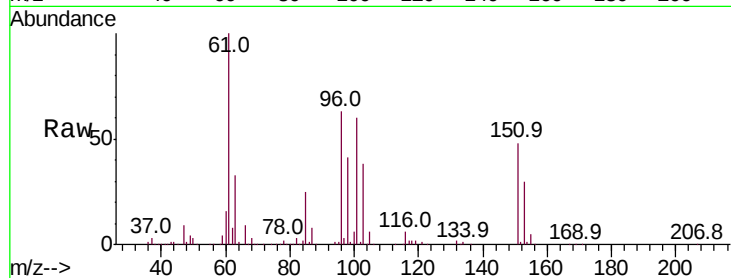
Tot Ion:101 Resp: 174772

Ion Ratio Lower Upper

101 100

85 41.8 34.4 51.6

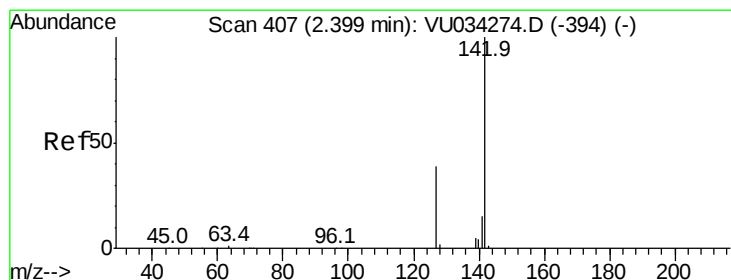
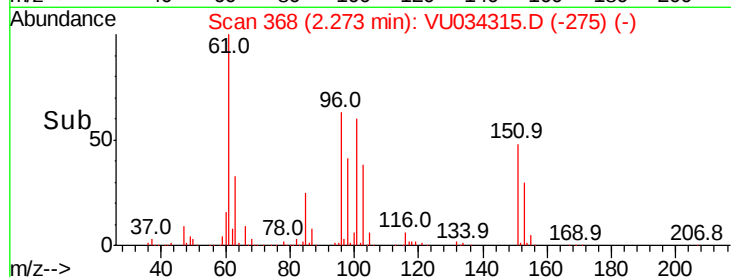
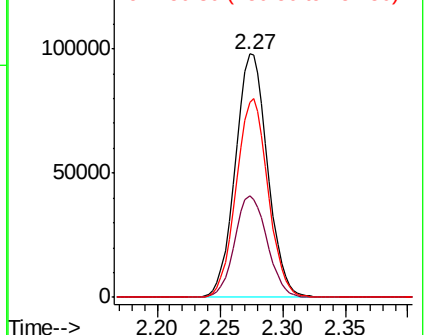
151 80.9 64.4 96.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 45.816 ug/l

RT: 2.40 min Scan# 407

Delta R.T. 0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

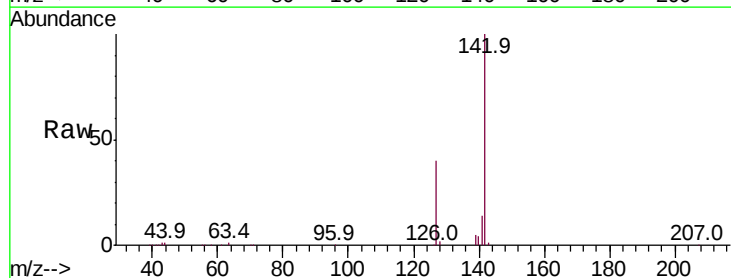
Tgt Ion:142 Resp: 150383

Ion Ratio Lower Upper

142 100

127 40.2 32.1 48.1

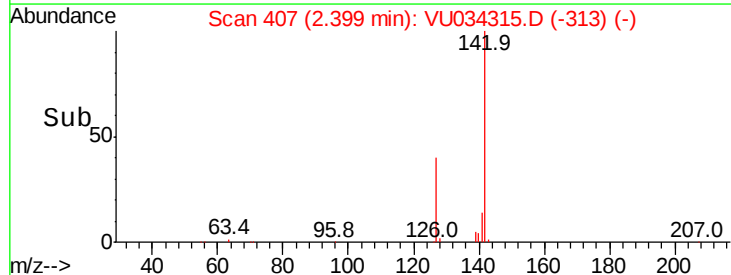
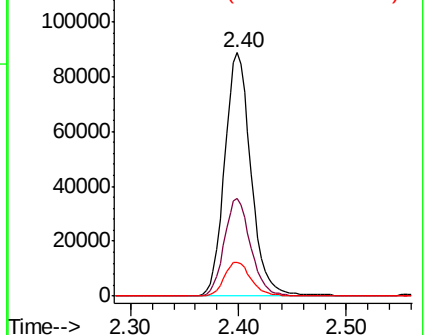
141 14.3 11.5 17.3

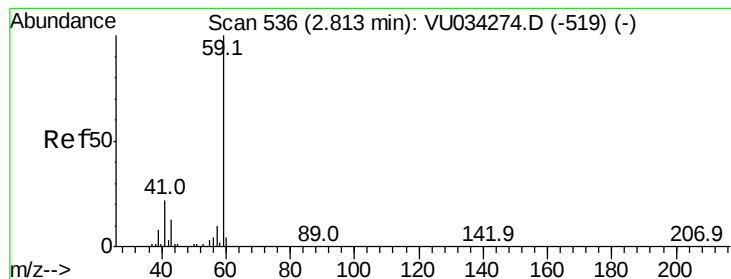


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



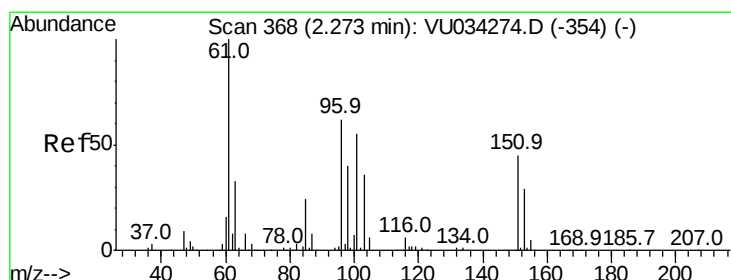
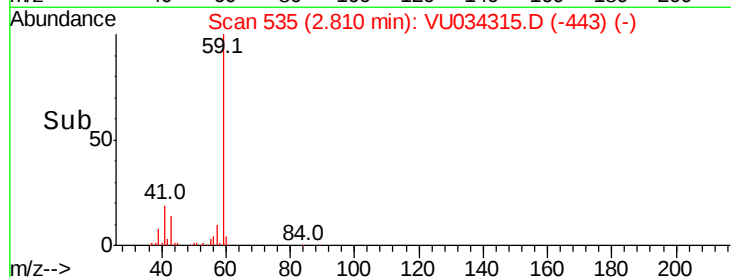
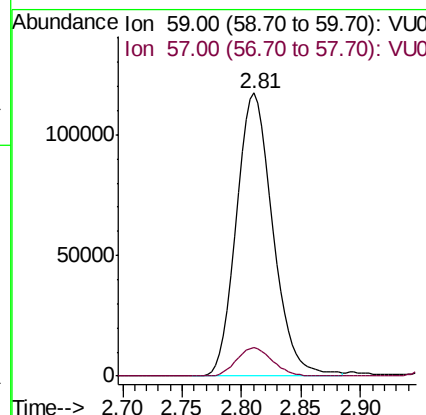
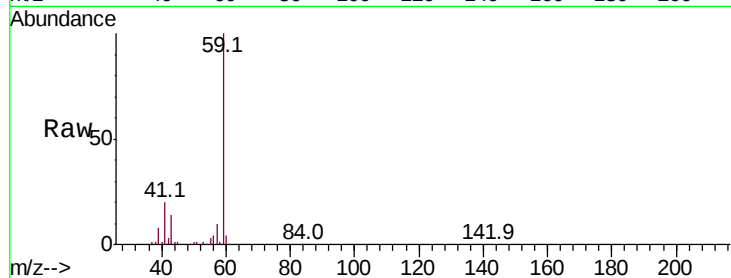


#11

Tert butyl alcohol
 Concen: 250.287 ug/l
 RT: 2.81 min Scan# 535
 Delta R.T. -0.00 min
 Lab File: VU034315.D
 Acq: 06 Sep 2019 08:52

Instrument :
 MSVOA_U
 ClientSampled :

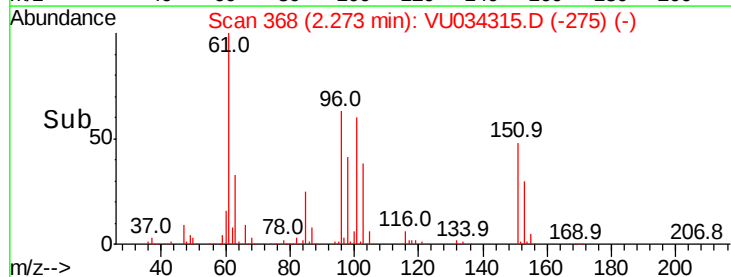
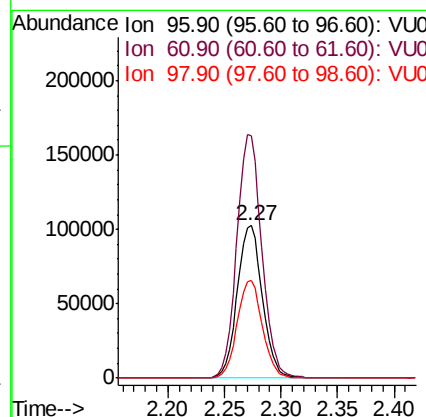
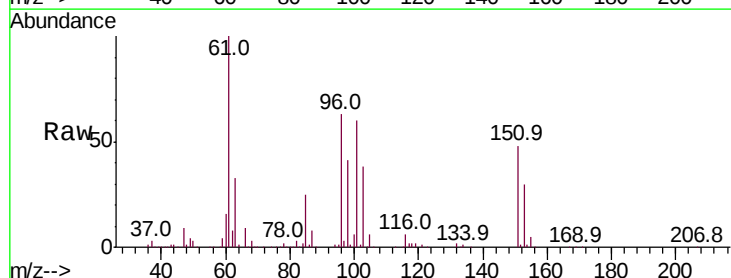
Tot Ion: 59 Resp: 249897
 Ion Ratio Lower Upper
 59 100
 57 10.1 7.9 11.9

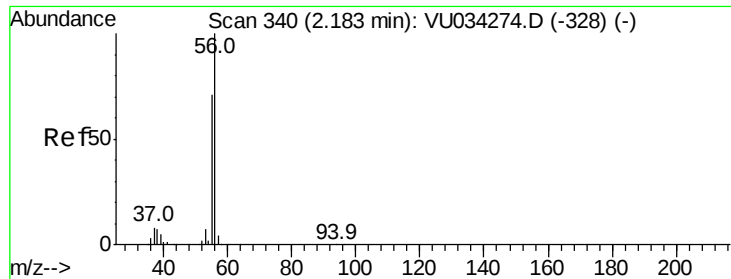


#12

1,1-Dichloroethene
 Concen: 46.898 ug/l
 RT: 2.27 min Scan# 368
 Delta R.T. 0.00 min
 Lab File: VU034315.D
 Acq: 06 Sep 2019 08:52

Tgt Ion: 96 Resp: 159381
 Ion Ratio Lower Upper
 96 100
 61 159.2 130.0 195.0
 98 64.6 52.2 78.4

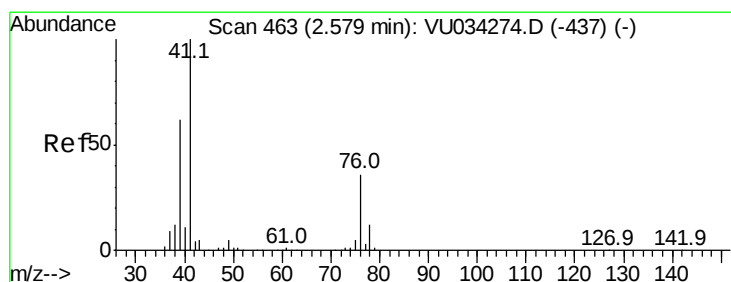
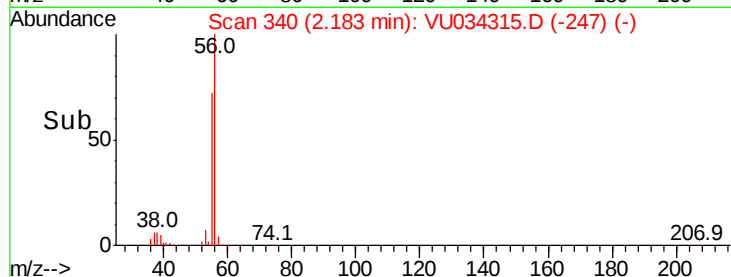
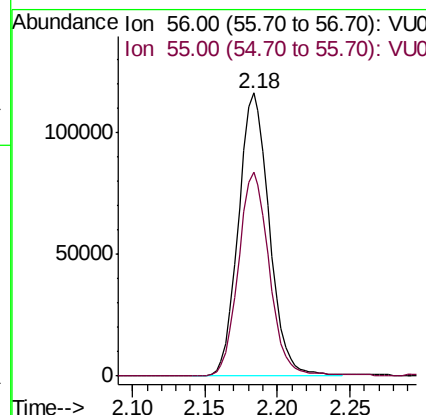
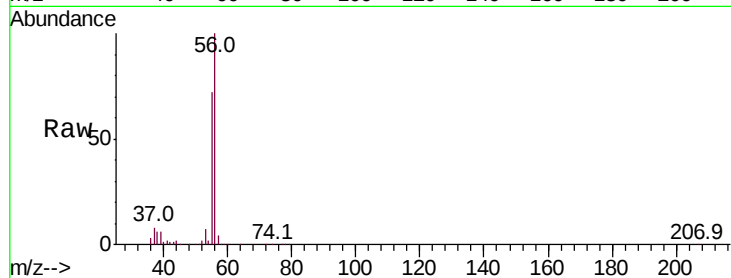




#13
Acrolein
Concen: 205.885 ug/l
RT: 2.18 min Scan# 340
Delta R.T. 0.00 min
Lab File: VU034315.D
Acq: 06 Sep 2019 08:52

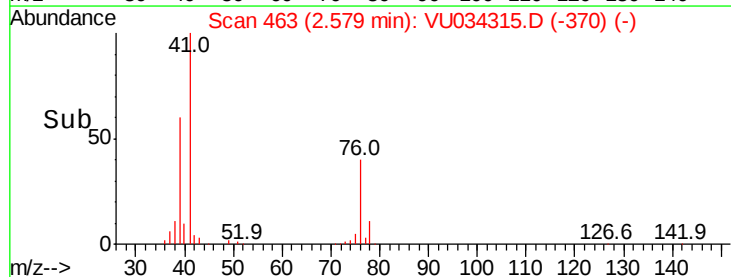
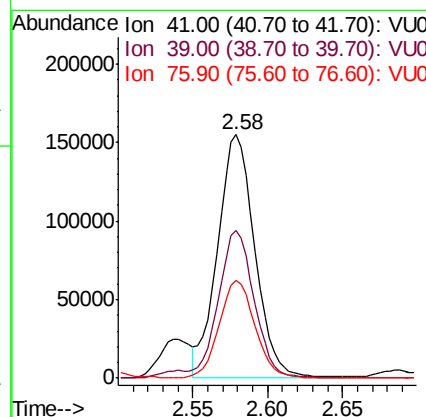
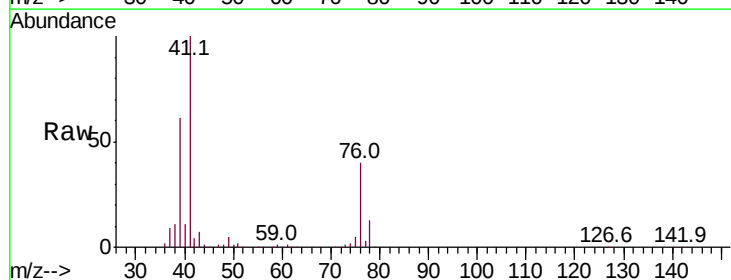
Instrument :
MSVOA_U
ClientSampled :

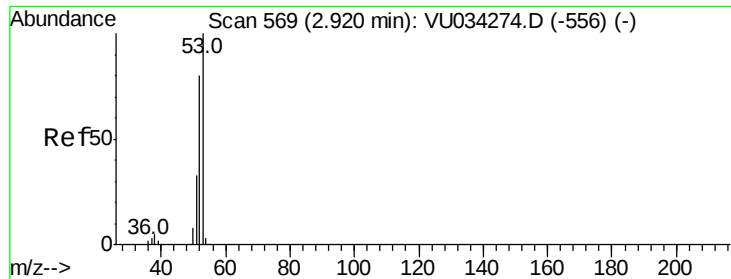
Tot Ion: 56 Resp: 172774
Ion Ratio Lower Upper
56 100
55 71.3 57.4 86.2



#14
Allyl chloride
Concen: 41.286 ug/l
RT: 2.58 min Scan# 463
Delta R.T. 0.00 min
Lab File: VU034315.D
Acq: 06 Sep 2019 08:52

Tgt Ion: 41 Resp: 268243
Ion Ratio Lower Upper
41 100
39 60.5 43.5 65.3
76 38.2 27.0 40.6





#15

Acrylonitrile

Concen: 253.324 ug/l

RT: 2.92 min Scan# 568

Delta R.T. -0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

Instrument :

MSVOA_U

ClientSampleId :

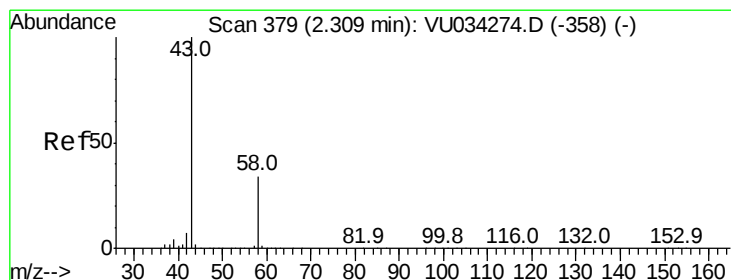
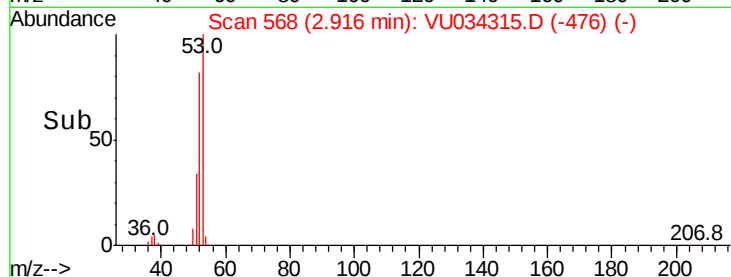
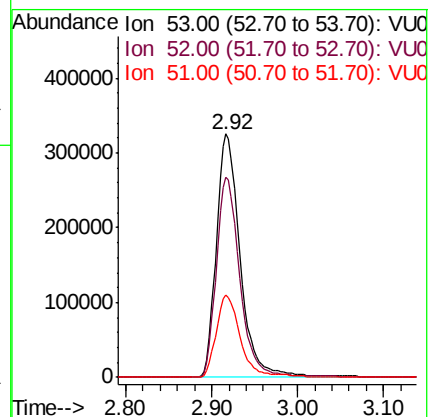
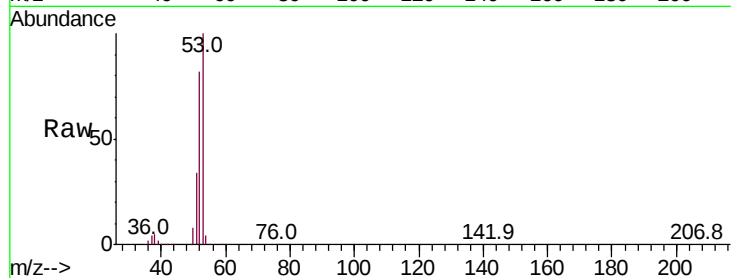
Tot Ion: 53 Resp: 629853

Ion Ratio Lower Upper

53 100

52 81.8 64.1 96.1

51 34.4 27.4 41.0



#16

Acetone

Concen: 293.372 ug/l

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034315.D

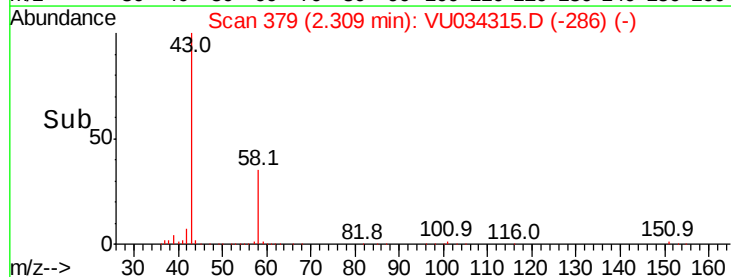
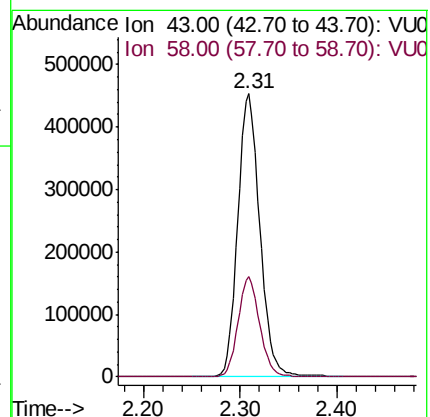
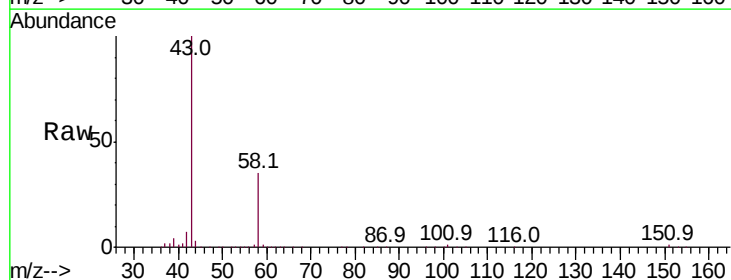
Acq: 06 Sep 2019 08:52

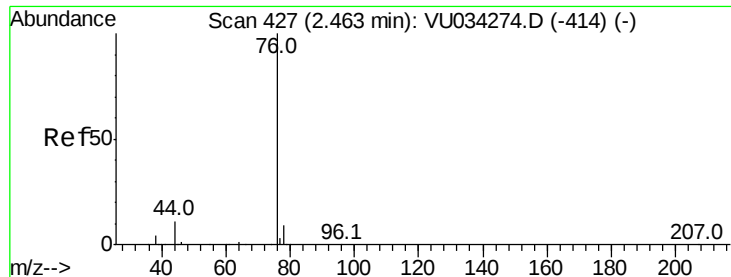
Tgt Ion: 43 Resp: 717500

Ion Ratio Lower Upper

43 100

58 35.3 27.6 41.4





#17

Carbon Disulfide

Concen: 43.914 ug/l

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

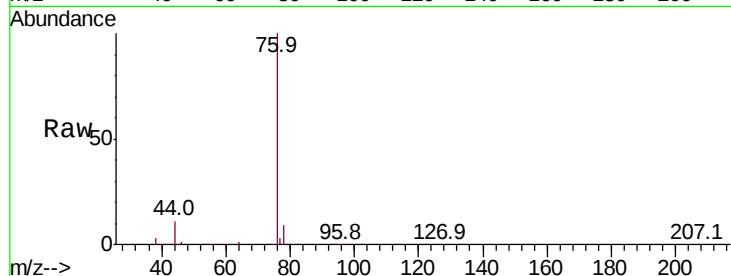
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 76 Resp: 335417

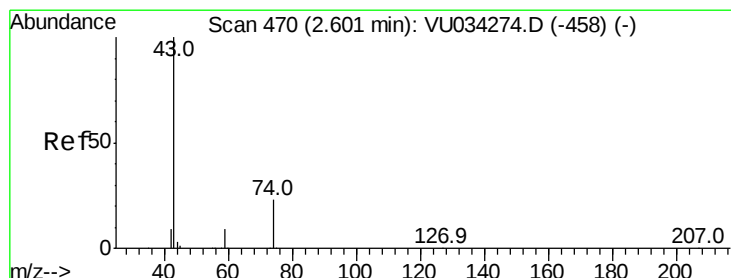
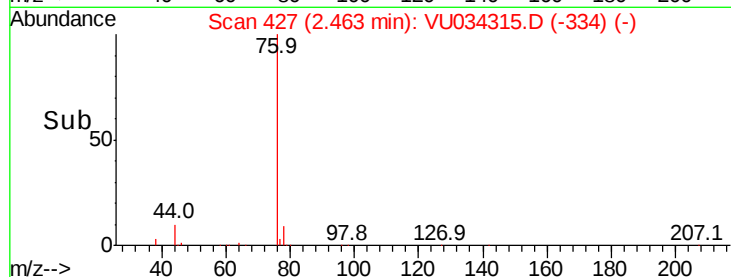
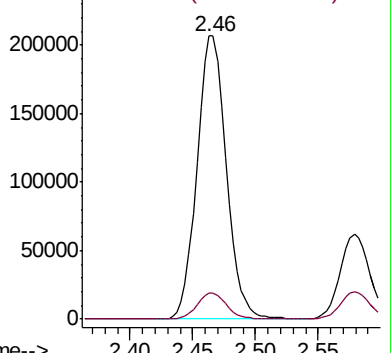
Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VU034274.D (-414) (-)



#18

Methyl Acetate

Concen: 45.489 ug/l

RT: 2.60 min Scan# 470

Delta R.T. 0.00 min

Lab File: VU034315.D

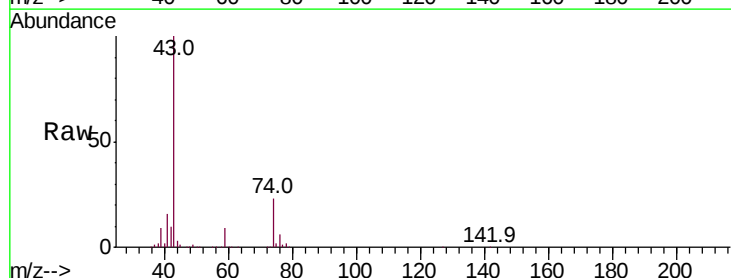
Acq: 06 Sep 2019 08:52

Tgt Ion: 43 Resp: 270710

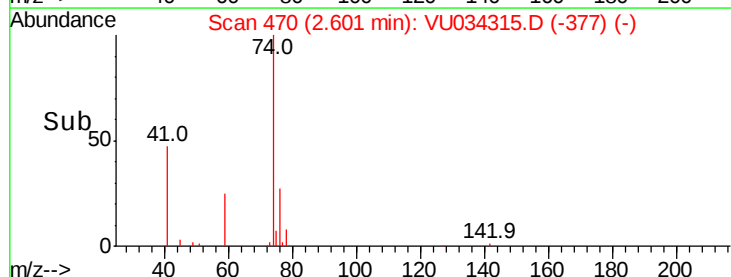
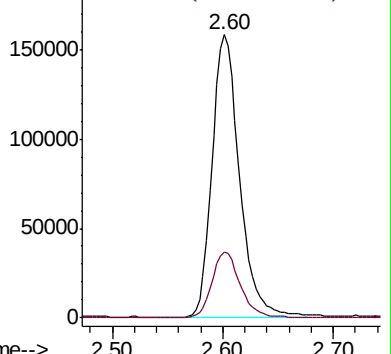
Ion Ratio Lower Upper

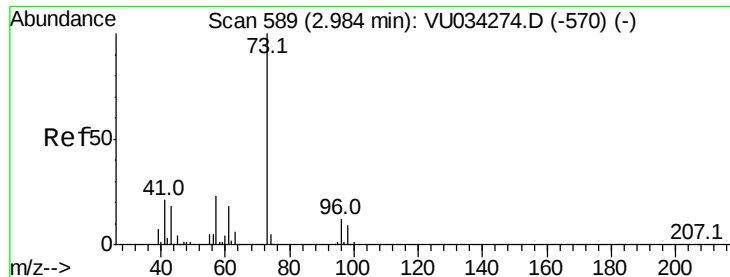
43 100

74 24.1 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VU034274.D (-458) (-)

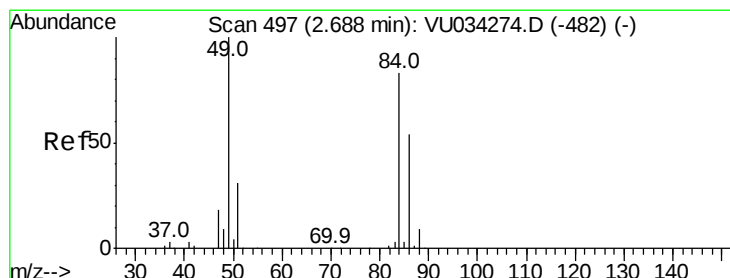
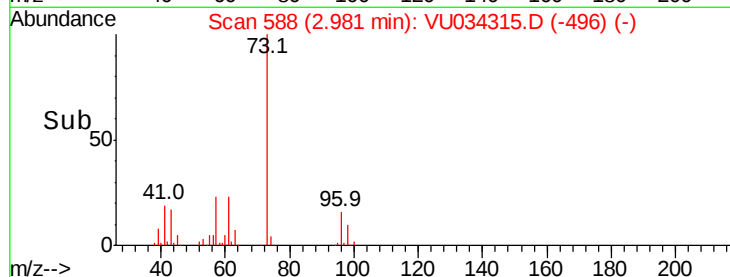
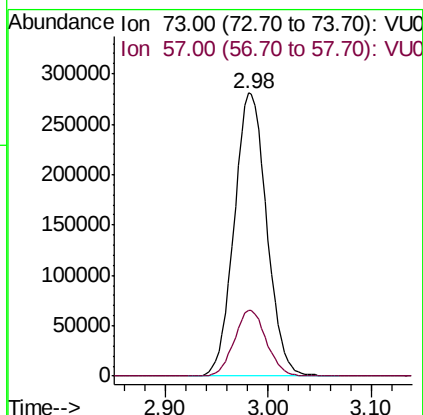
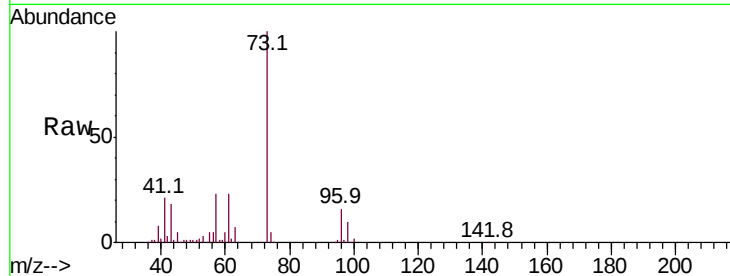




#19
Methvl tert-butvl Ether
Concen: 49.712 ug/l
RT: 2.98 min Scan# 588
Delta R.T. -0.00 min
Lab File: VU034315.D
Acq: 06 Sep 2019 08:52

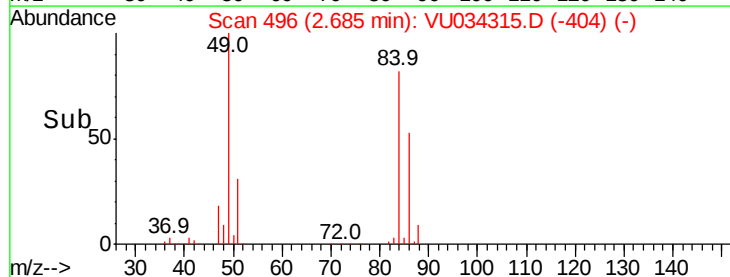
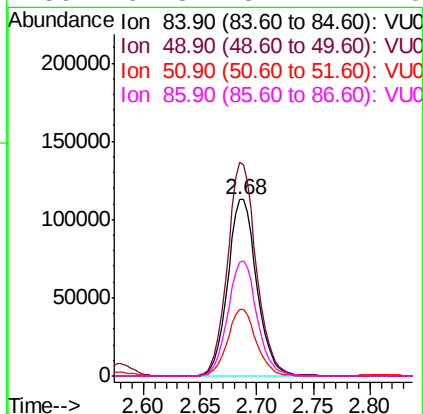
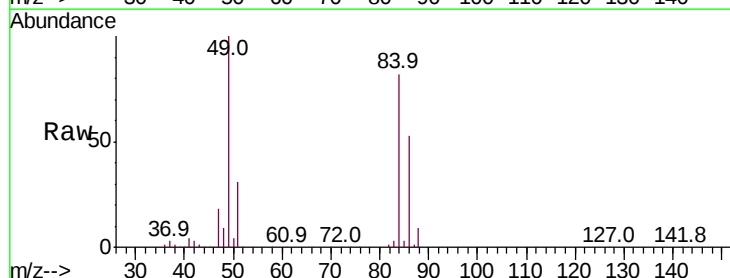
Instrument :
MSVOA_U
ClientSampleId :

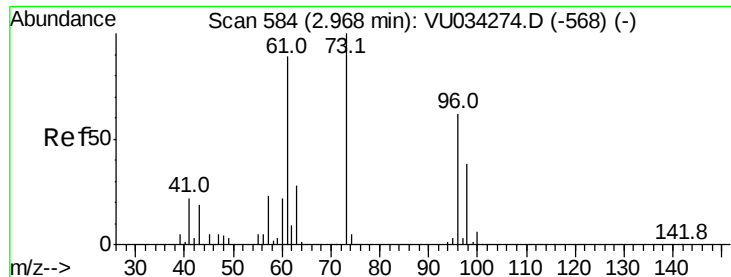
Tot Ion: 73 Resp: 615789
Ion Ratio Lower Upper
73 100
57 23.4 18.2 27.4



#20
Methylene Chloride
Concen: 50.391 ug/l
RT: 2.68 min Scan# 496
Delta R.T. -0.00 min
Lab File: VU034315.D
Acq: 06 Sep 2019 08:52

Tgt Ion: 84 Resp: 201848
Ion Ratio Lower Upper
84 100
49 121.2 96.0 144.0
51 37.7 30.0 45.0
86 64.3 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 47.574 ug/l

RT: 2.96 min Scan# 583

Delta R.T. -0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

Instrument :
MSVOA_U
ClientSampleId :

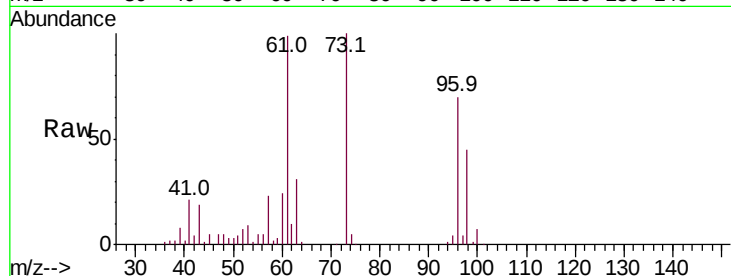
Tot Ion: 96 Resp: 170378

Ion Ratio Lower Upper

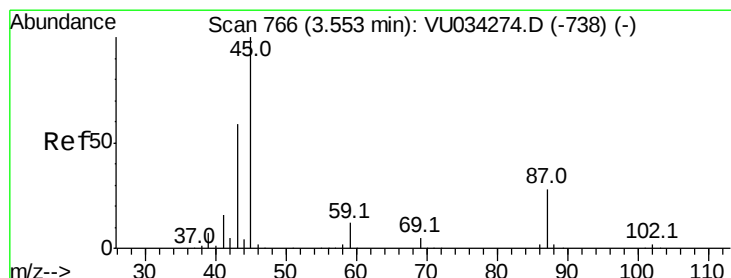
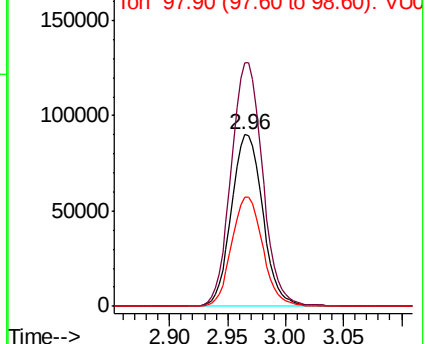
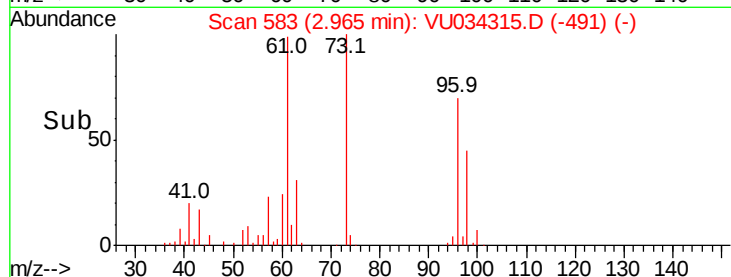
96 100

61 141.8 114.8 172.2

98 63.6 49.8 74.8



Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 49.703 ug/l

RT: 3.55 min Scan# 765

Delta R.T. -0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

Tgt Ion: 45 Resp: 629759

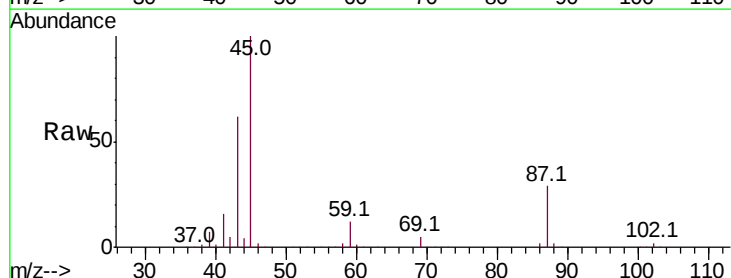
Ion Ratio Lower Upper

45 100

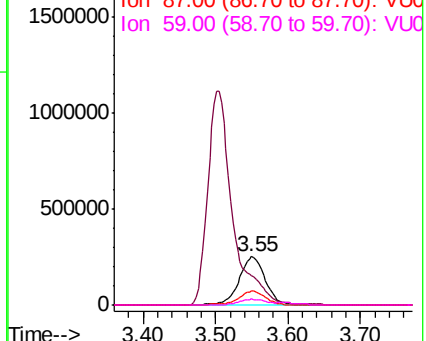
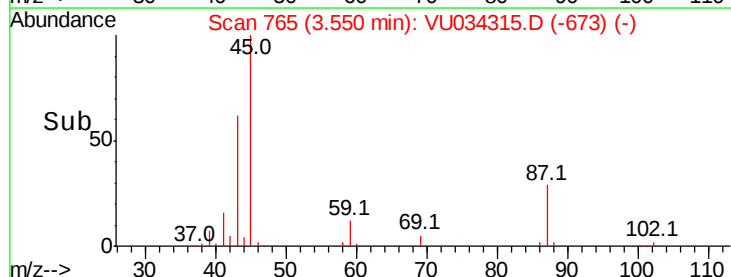
43 61.6 47.5 71.3

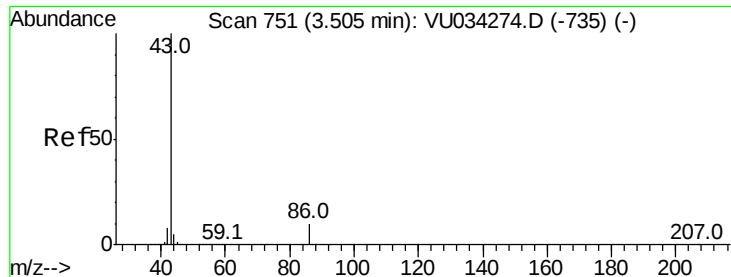
87 29.0 22.2 33.4

59 12.1 9.4 14.2



Abundance Ion 45.00 (44.70 to 45.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 256.726 ug/l

RT: 3.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

Instrument :

MSVOA_U

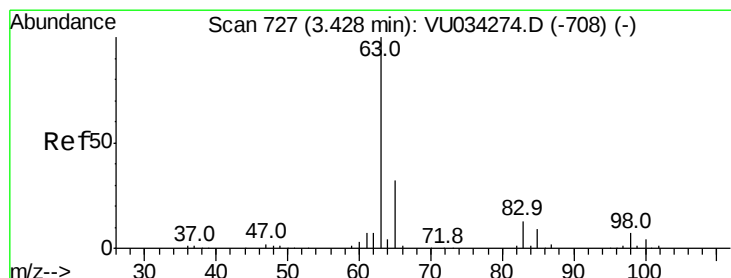
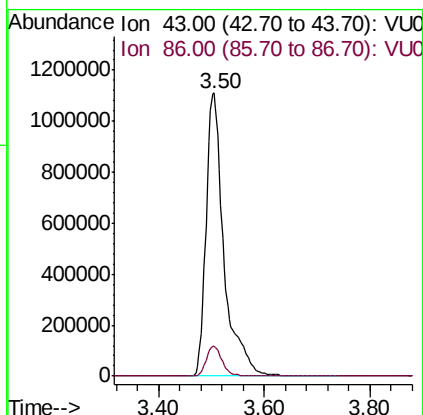
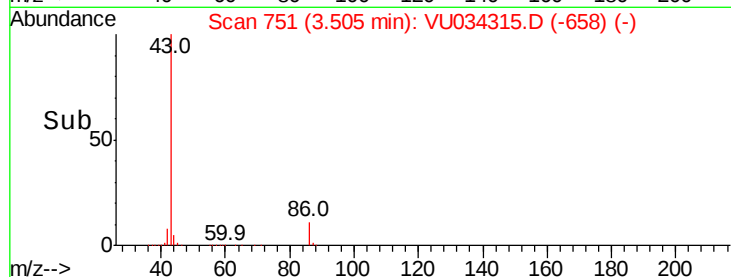
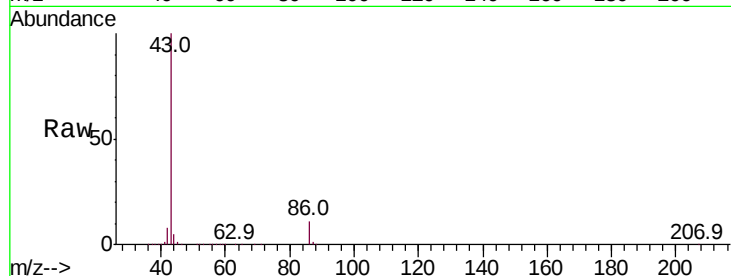
ClientSampleId :

Tot Ion: 43 Resp: 2649636

Ion Ratio Lower Upper

43 100

86 10.6 8.3 12.5



#24

1,1-Dichloroethane

Concen: 46.971 ug/l

RT: 3.42 min Scan# 726

Delta R.T. -0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

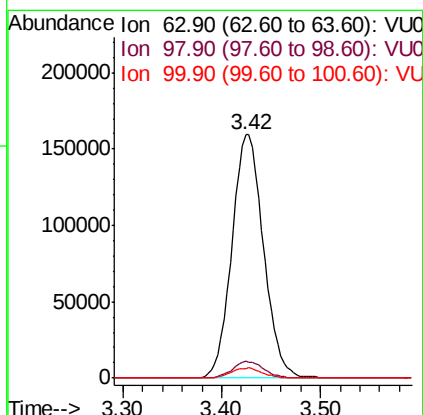
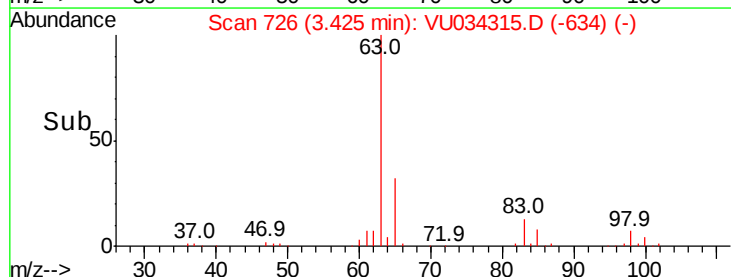
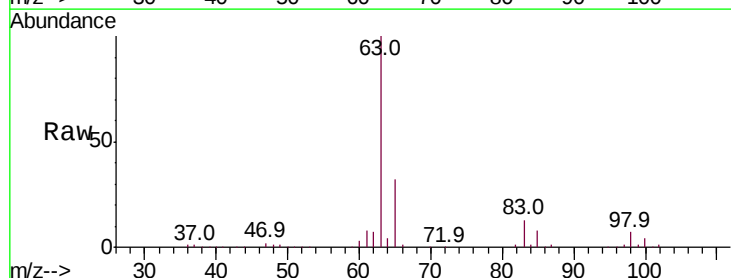
Tgt Ion: 63 Resp: 355418

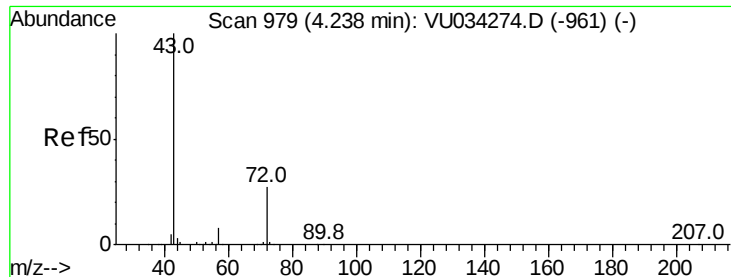
Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.4

100 4.1 2.1 6.5





#25

2-Butanone

Concen: 278.031 ug/l

RT: 4.23 min Scan# 978

Delta R.T. -0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

Instrument :

MSVOA_U

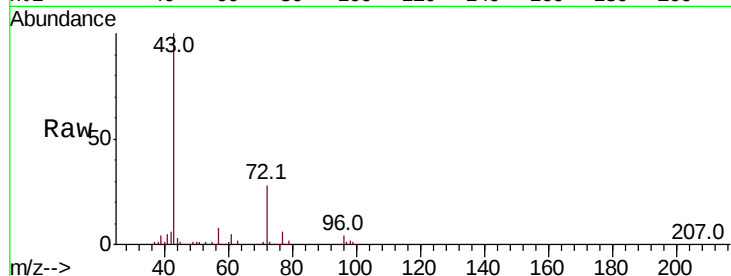
ClientSampled :

Tot Ion: 43 Resp: 907686

Ion Ratio Lower Upper

43 100

72 27.7 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VU034274.D (-961) (-)

Ion 72.00 (71.70 to 72.70): VU034274.D (-961) (-)

4.23

400000

300000

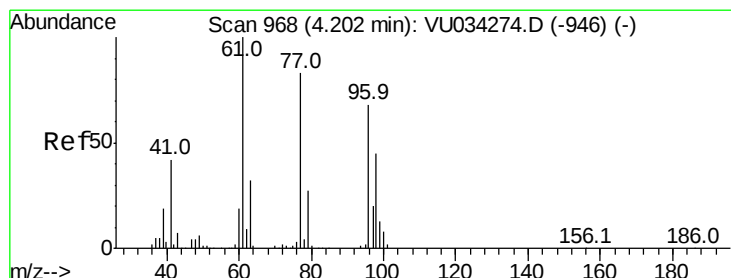
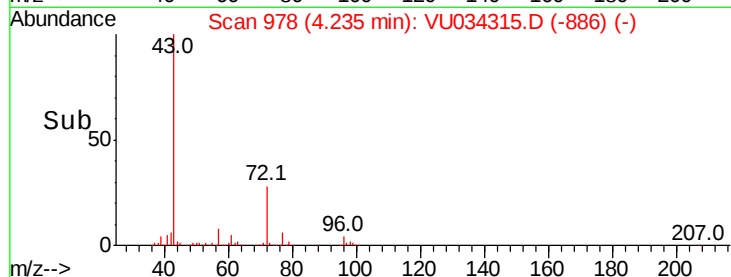
200000

100000

0

4.10 4.20 4.30

Time-->



#26

2,2-Dichloropropane

Concen: 48.534 ug/l

RT: 4.20 min Scan# 967

Delta R.T. -0.00 min

Lab File: VU034315.D

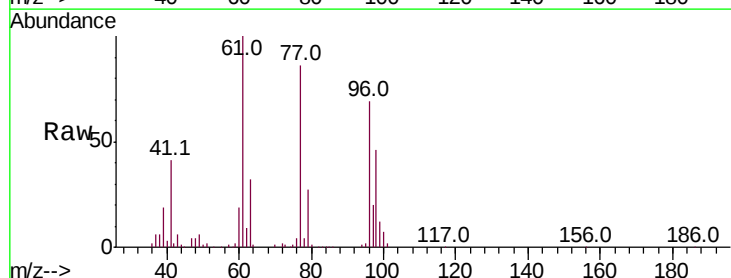
Acq: 06 Sep 2019 08:52

Tgt Ion: 77 Resp: 295365

Ion Ratio Lower Upper

77 100

97 23.8 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VU034274.D (-946) (-)

Ion 96.90 (96.60 to 97.60): VU034274.D (-946) (-)

4.20

120000

100000

80000

60000

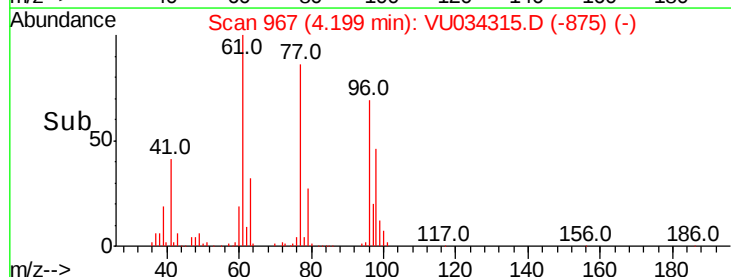
40000

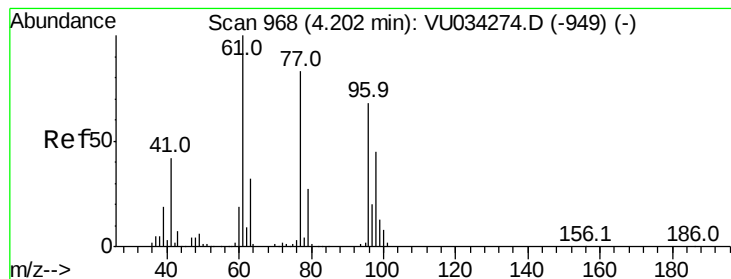
20000

0

4.10 4.20 4.30

Time-->



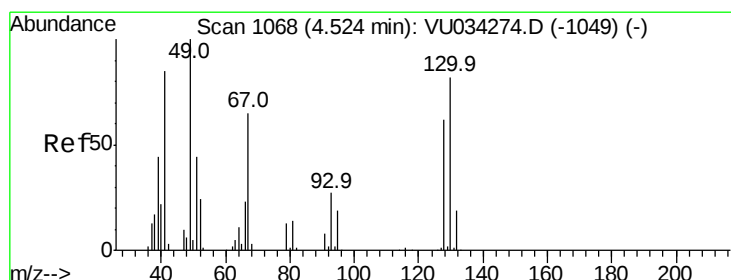
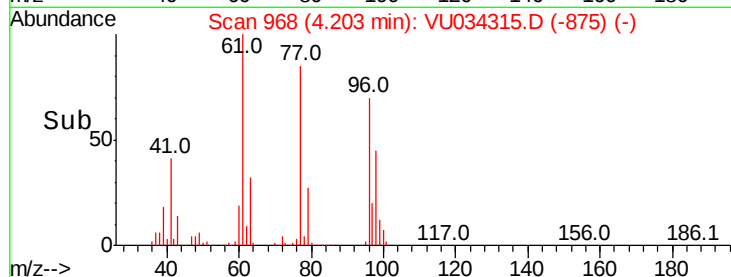
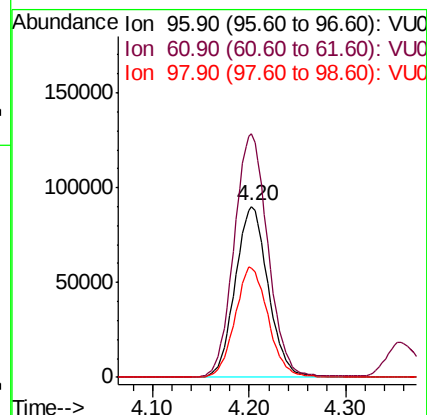
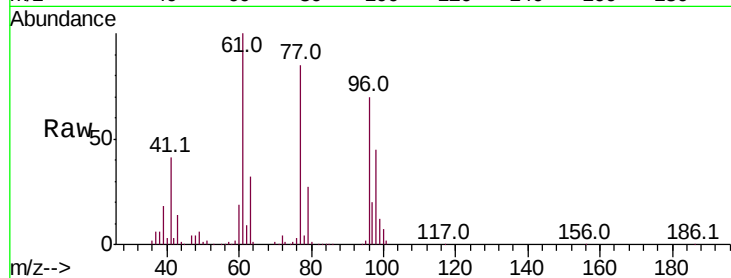


#27

cis-1,2-Dichloroethene
Concen: 49.130 ug/l
RT: 4.20 min Scan# 968
Delta R.T. 0.00 min
Lab File: VU034315.D
Acq: 06 Sep 2019 08:52

Instrument :
MSVOA_U
ClientSampled :

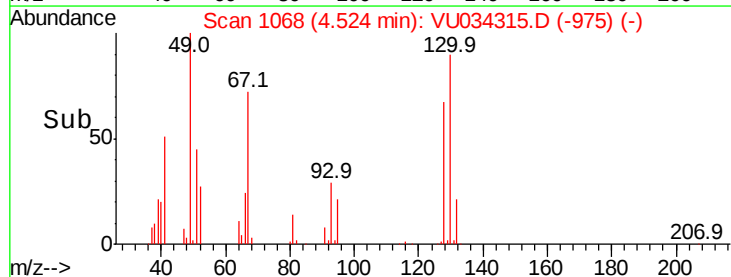
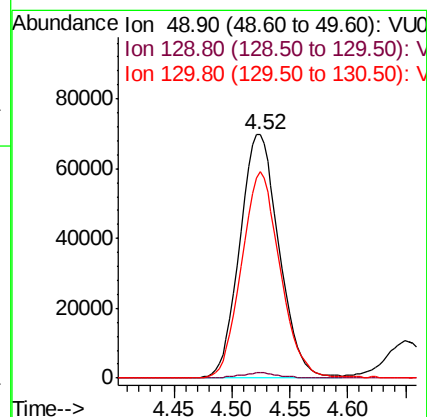
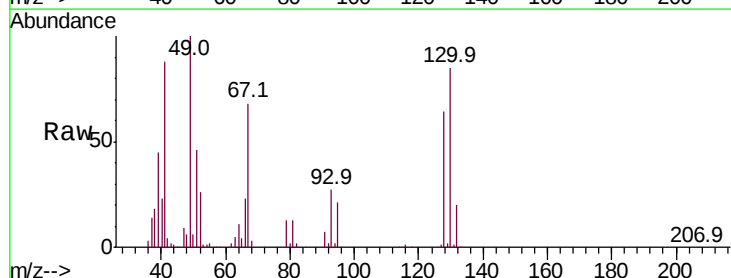
Tot Ion	96	Resp	213695
Ion Ratio	Lower	Upper	
96	100		
61	146.2	0.0	297.4
98	64.4	0.0	130.0

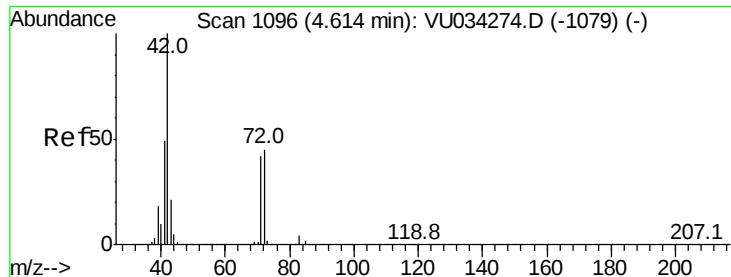


#28

Bromochloromethane
Concen: 47.255 ug/l
RT: 4.52 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VU034315.D
Acq: 06 Sep 2019 08:52

Tgt Ion	49	Resp	164464
Ion Ratio	Lower	Upper	
49	100		
129	2.1	0.0	3.8
130	83.1	65.2	97.8





#29

Tetrahydrofuran

Concen: 256.359 ug/l

RT: 4.61 min Scan# 1096

Delta R.T. 0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

Instrument :

MSVOA_U

ClientSampleId :

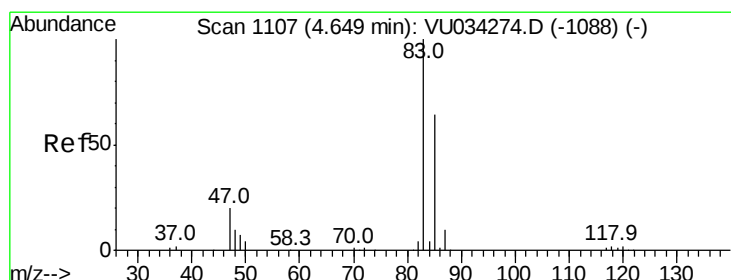
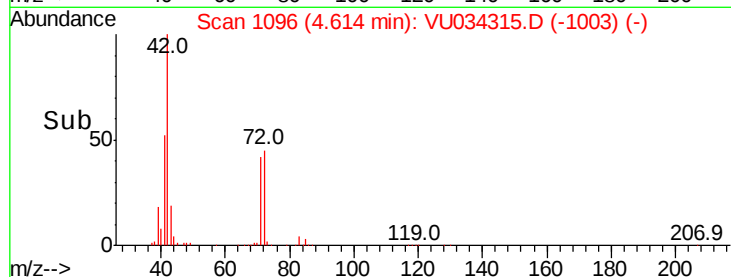
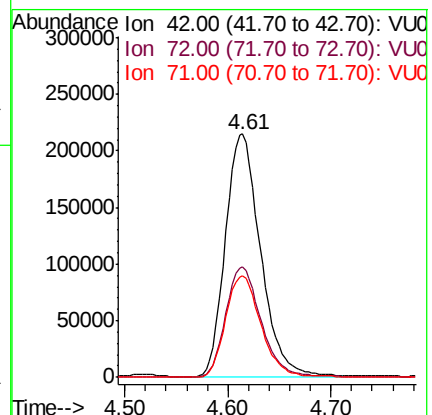
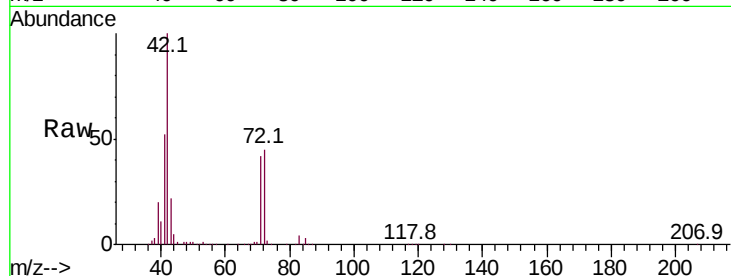
Tot Ion: 42 Resp: 509278

Ion Ratio Lower Upper

42 100

72 45.8 36.6 54.8

71 42.7 34.3 51.5



#30

Chloroform

Concen: 46.506 ug/l

RT: 4.65 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VU034315.D

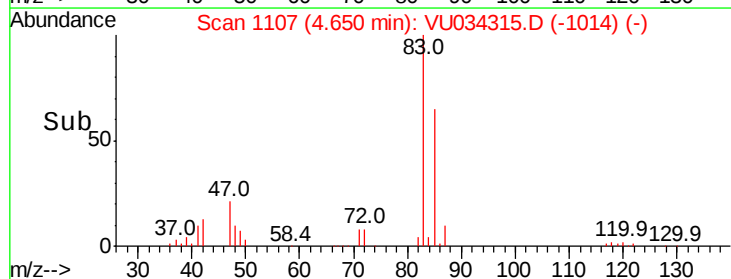
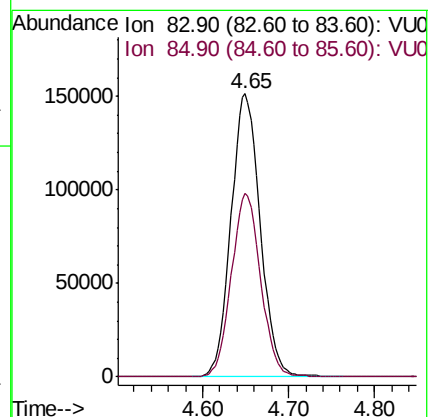
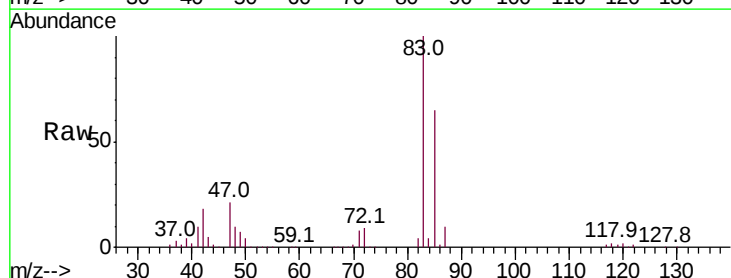
Acq: 06 Sep 2019 08:52

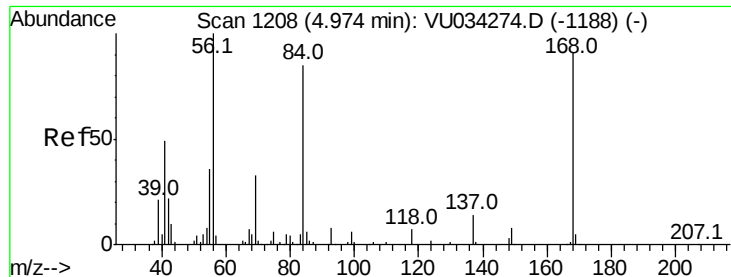
Tgt Ion: 83 Resp: 357688

Ion Ratio Lower Upper

83 100

85 64.9 51.5 77.3

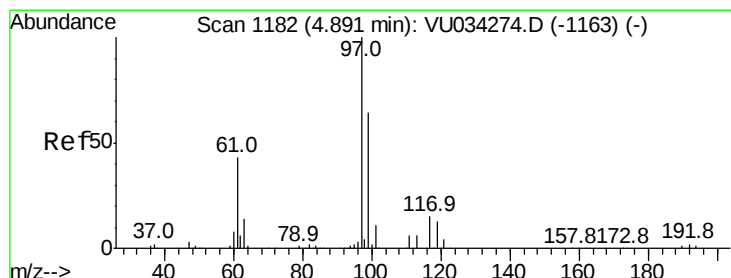
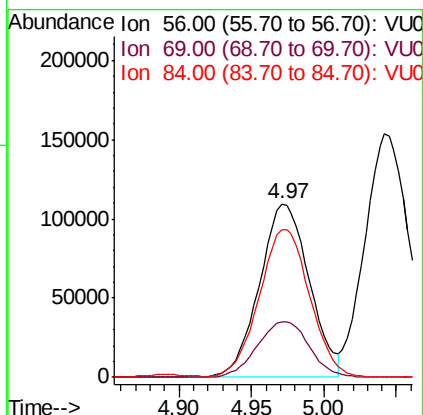
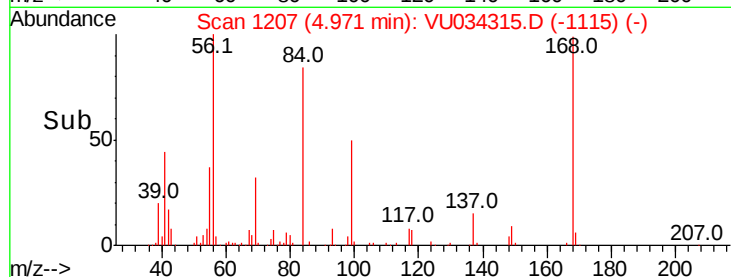
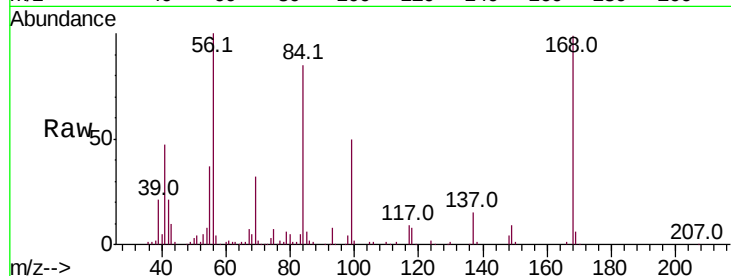




#31
Cyclohexane
Concen: 47.323 ug/l
RT: 4.97 min Scan# 1207
Delta R.T. -0.00 min
Lab File: VU034315.D
Acq: 06 Sep 2019 08:52

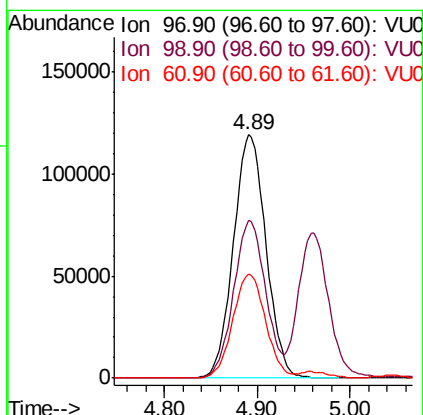
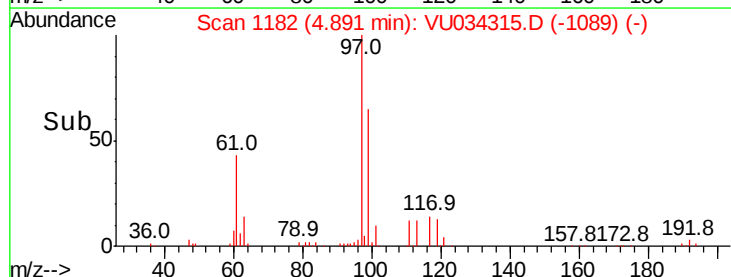
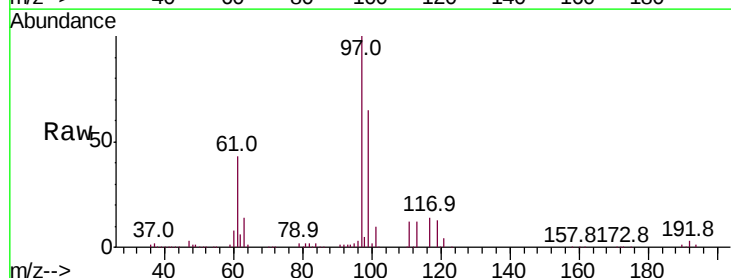
Instrument :
MSVOA_U
ClientSampleId :

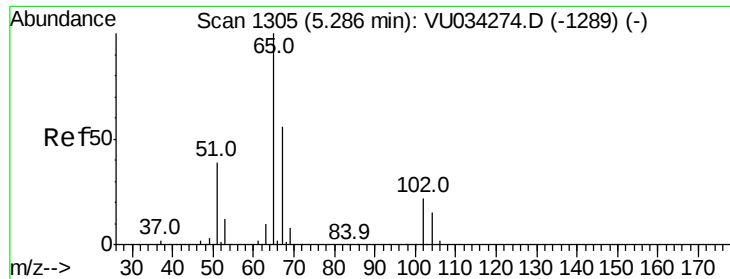
Tot Ion: 56 Resp: 261963
Ion Ratio Lower Upper
56 100
69 32.0 26.7 40.1
84 84.0 68.2 102.4



#32
1,1,1-Trichloroethane
Concen: 47.310 ug/l
RT: 4.89 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU034315.D
Acq: 06 Sep 2019 08:52

Tgt Ion: 97 Resp: 290929
Ion Ratio Lower Upper
97 100
99 64.1 50.9 76.3
61 43.0 34.7 52.1

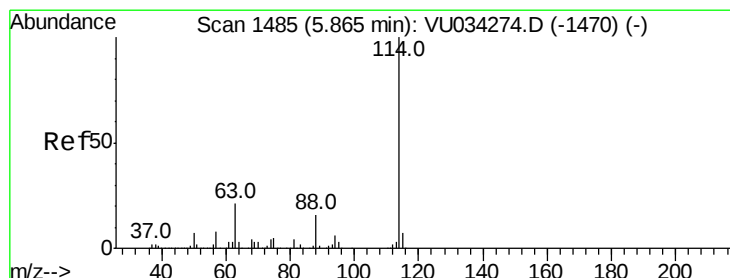
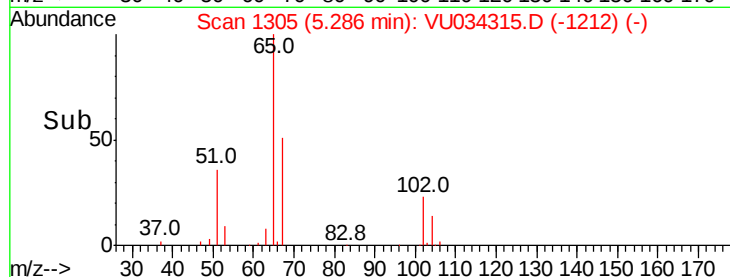
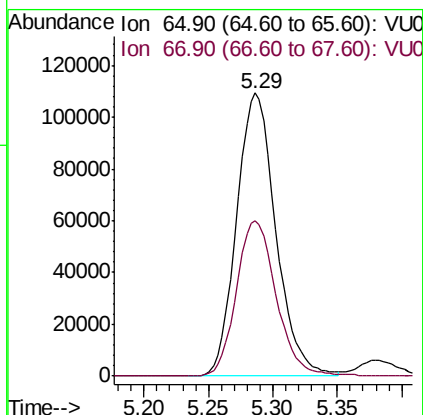
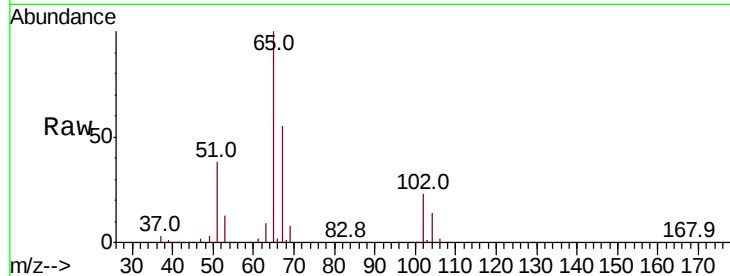




#33
 1,2-Dichloroethane-d4
 Concen: 48.972 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: VU034315.D
 Acq: 06 Sep 2019 08:52

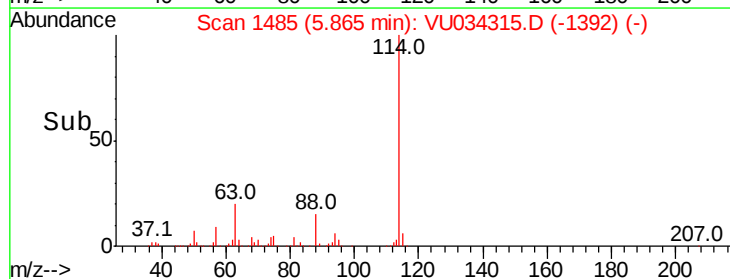
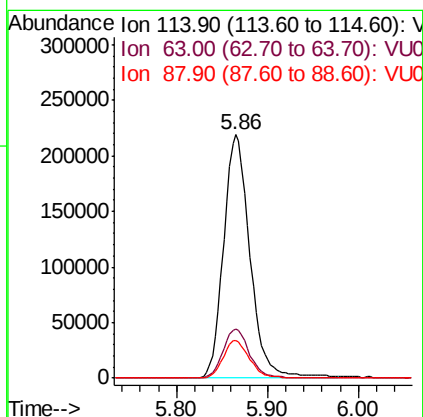
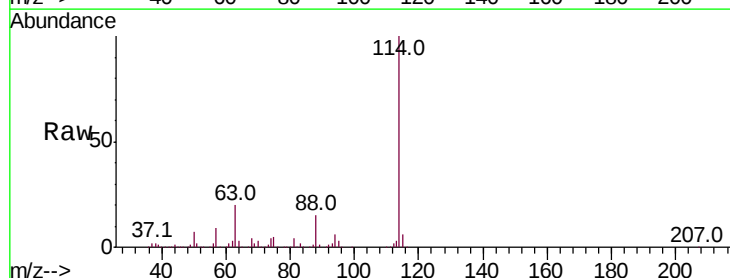
Instrument :
 MSVOA_U
 ClientSampleId :

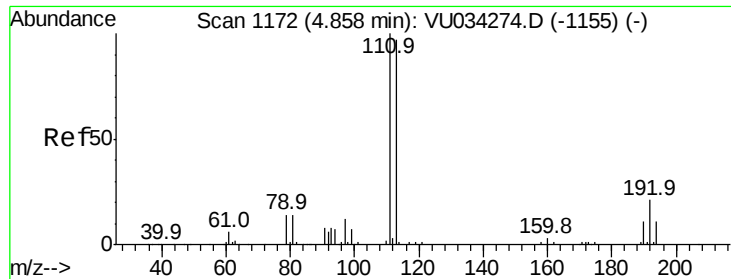
Tot Ion: 65 Resp: 231444
 Ion Ratio Lower Upper
 65 100
 67 55.7 0.0 112.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VU034315.D
 Acq: 06 Sep 2019 08:52

Tgt Ion: 114 Resp: 442121
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 42.4
 88 15.5 0.0 32.4

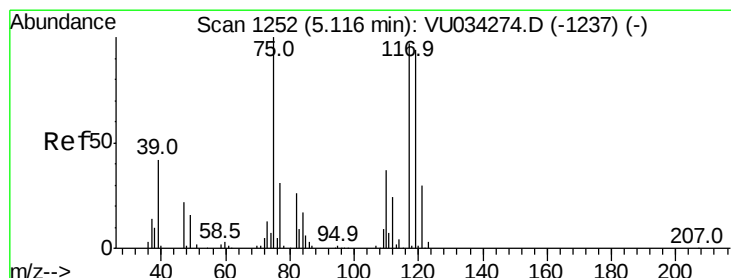
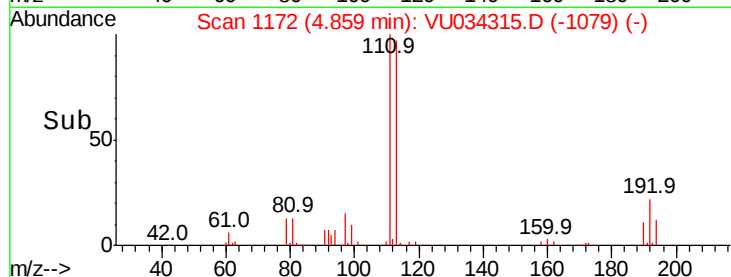
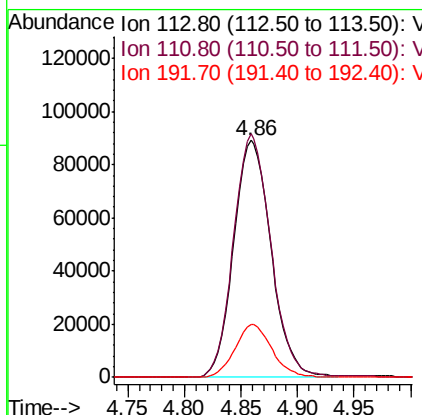
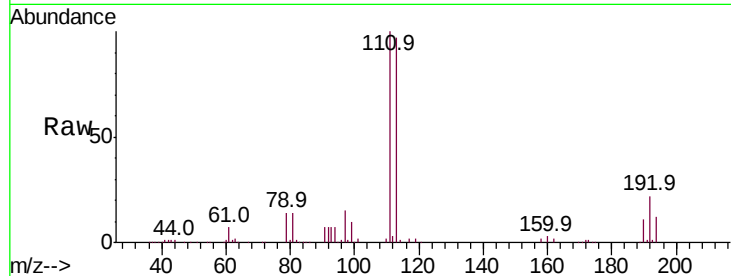




#35
 Dibromofluoromethane
 Concen: 50.030 ug/l
 RT: 4.86 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VU034315.D
 Acq: 06 Sep 2019 08:52

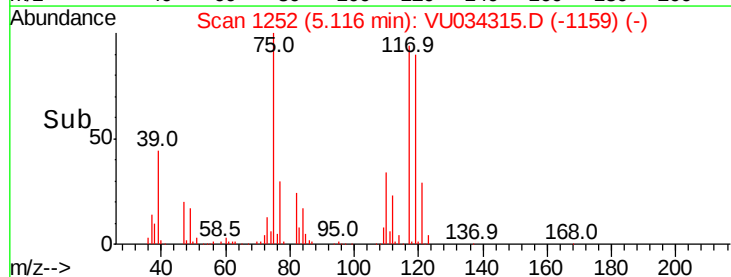
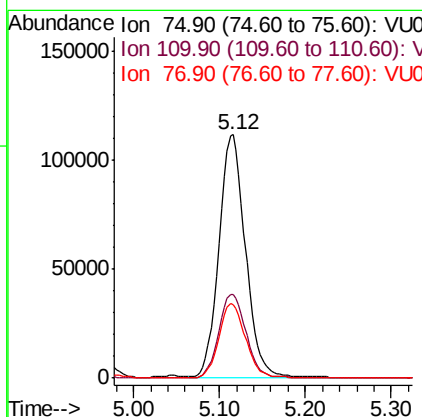
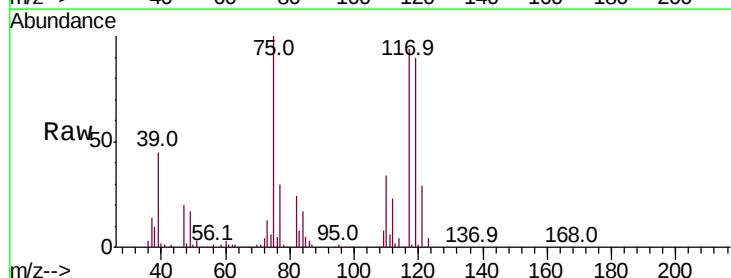
Instrument :
 MSVOA_U
 ClientSampled :

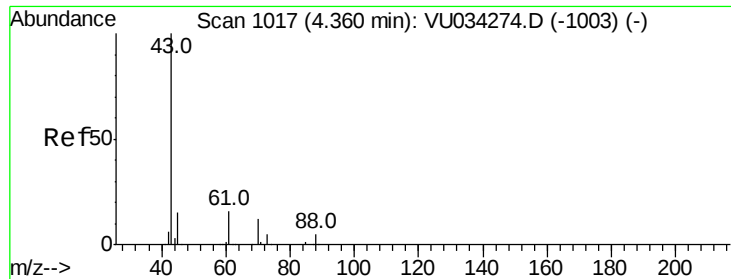
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.5	122.3
192	22.0	17.8	26.8



#36
 1,1-Dichloropropene
 Concen: 49.640 ug/l
 RT: 5.12 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VU034315.D
 Acq: 06 Sep 2019 08:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.7	18.3	54.9
77	30.6	24.9	37.3

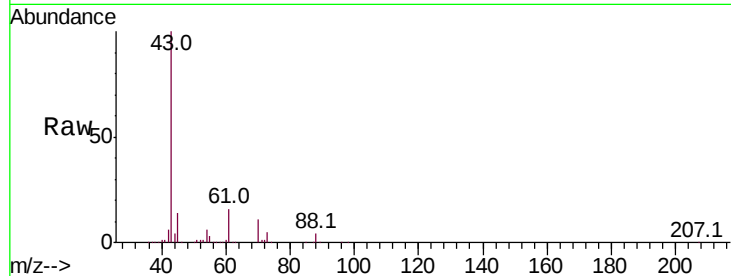




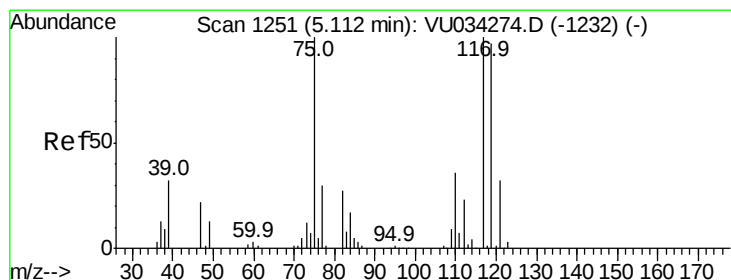
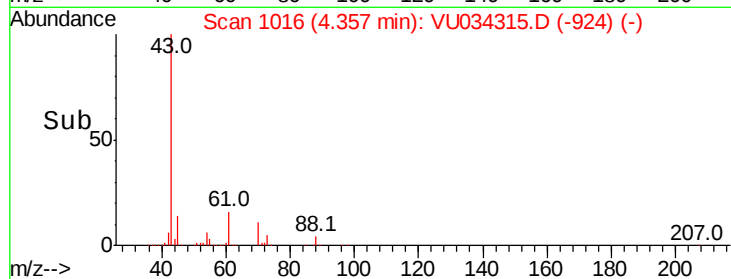
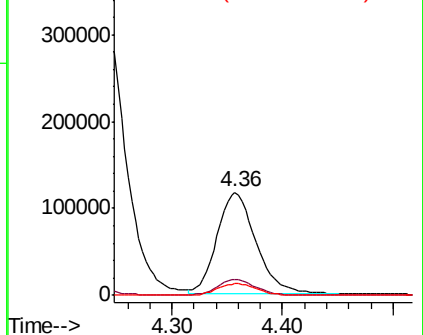
#37
Ethyl Acetate
Concen: 50.583 ug/l
RT: 4.36 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VU034315.D
Acq: 06 Sep 2019 08:52

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 286760
Ion Ratio Lower Upper
43 100
61 15.2 12.3 18.5
70 11.6 9.1 13.7

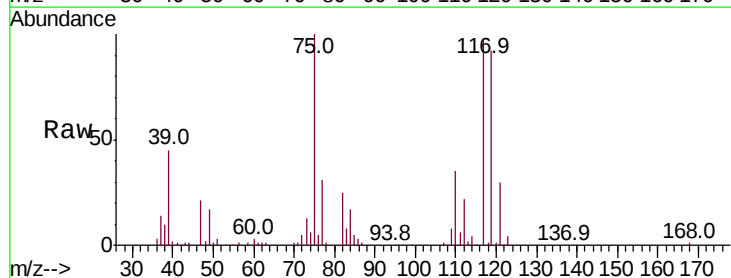


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 70.00 (69.70 to 70.70): VU0

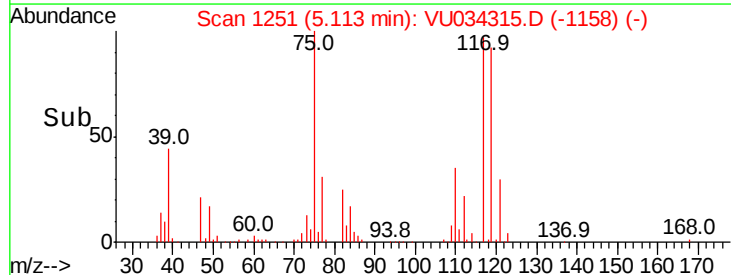
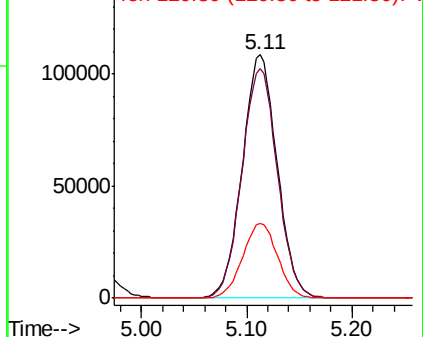


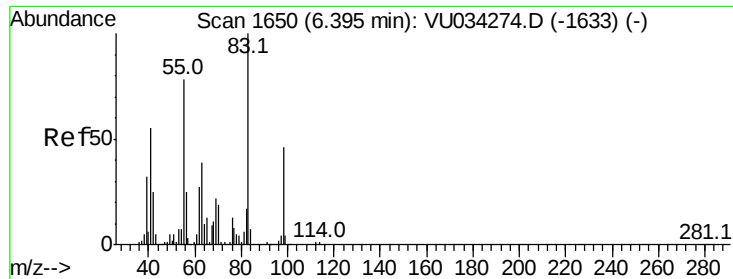
#38
Carbon Tetrachloride
Concen: 48.672 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU034315.D
Acq: 06 Sep 2019 08:52

Tgt Ion: 117 Resp: 249180
Ion Ratio Lower Upper
117 100
119 94.3 77.8 116.6
121 30.6 25.2 37.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

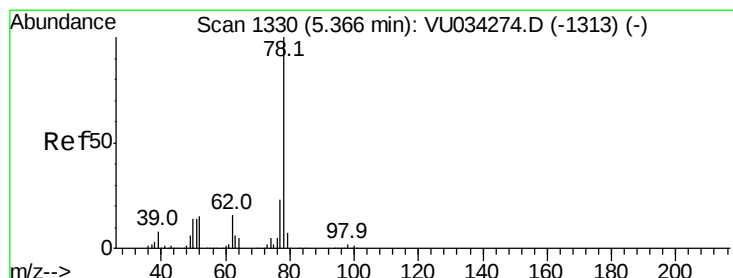
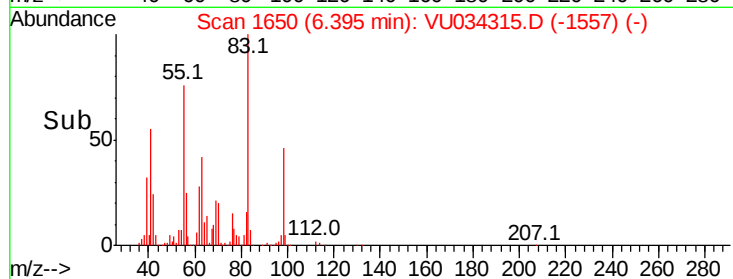
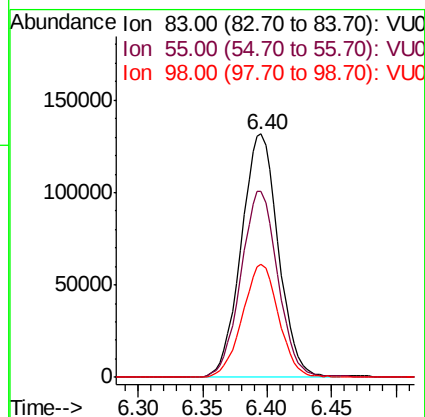
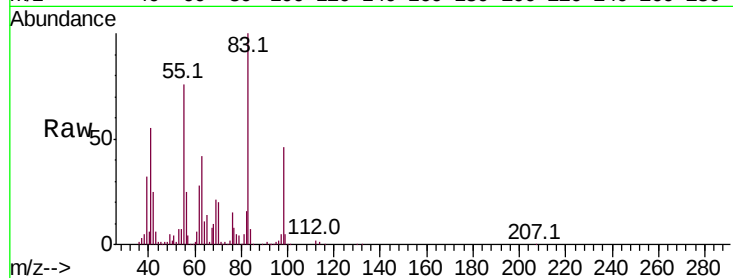




#39
Methvlcvclohexane
Concen: 51.416 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034315.D
Acq: 06 Sep 2019 08:52

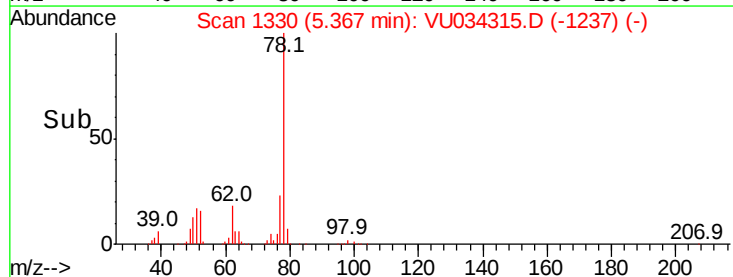
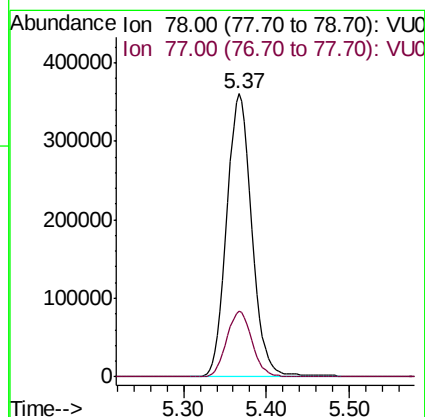
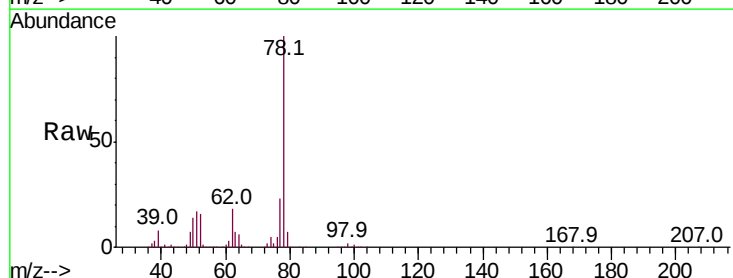
Instrument :
MSVOA_U
ClientSampleId :

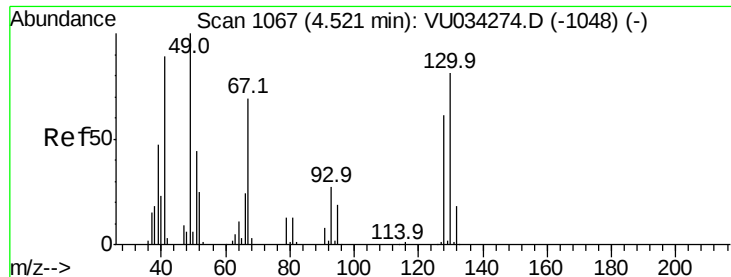
Tot Ion: 83 Resp: 263541
Ion Ratio Lower Upper
83 100
55 76.5 62.1 93.1
98 46.4 37.0 55.6



#40
Benzene
Concen: 49.190 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034315.D
Acq: 06 Sep 2019 08:52

Tgt Ion: 78 Resp: 761065
Ion Ratio Lower Upper
78 100
77 23.3 18.7 28.1

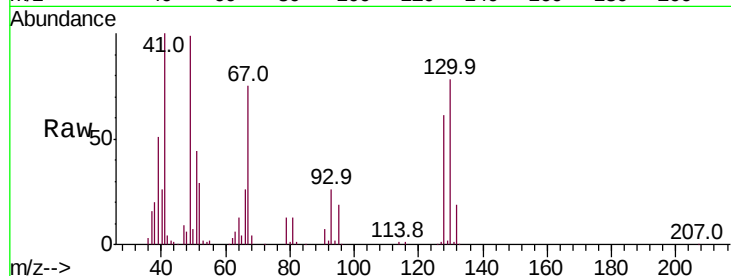




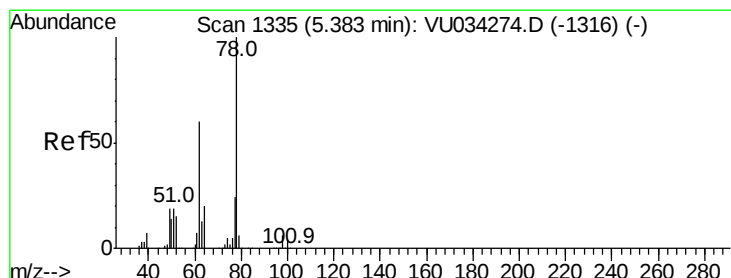
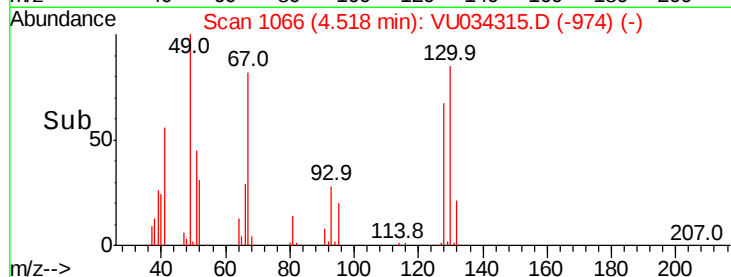
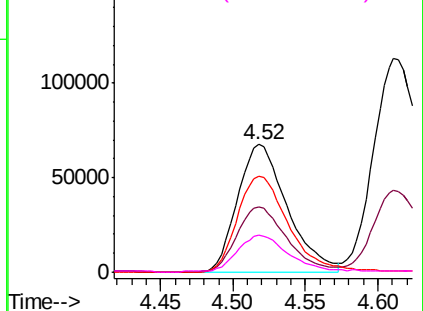
#41
Methacrylonitrile
Concen: 53.091 ug/l
RT: 4.52 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VU034315.D
Acq: 06 Sep 2019 08:52

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:	41	Resp:	160320
Ion	Ratio	Lower	Upper
41	100		
39	51.6	41.0	61.4
67	78.9	62.4	93.6
52	29.3	23.6	35.4

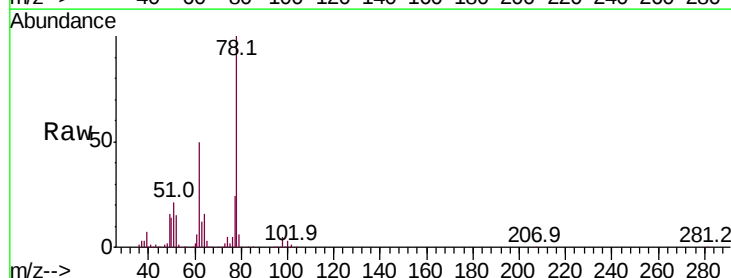


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

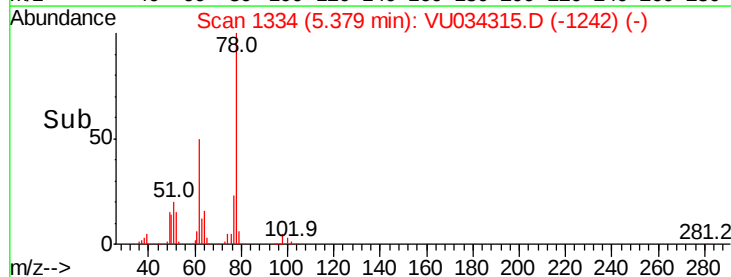
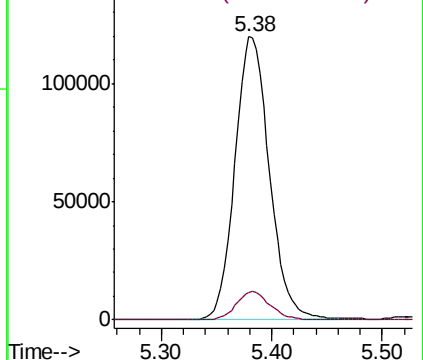


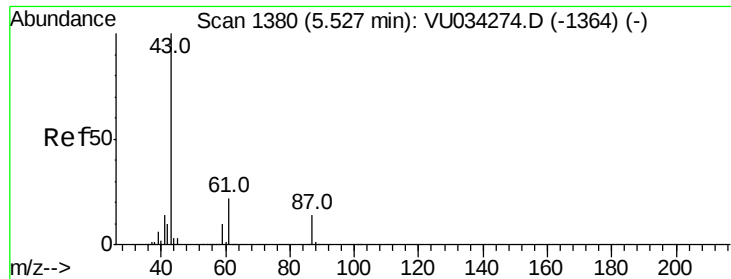
#42
1,2-Dichloroethane
Concen: 48.228 ug/l
RT: 5.38 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VU034315.D
Acq: 06 Sep 2019 08:52

Tgt Ion:	62	Resp:	259066
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.0



Abundance Ion 61.90 (61.60 to 62.60): VU0
Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 50.351 ug/l

RT: 5.53 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

Instrument :

MSVOA_U

ClientSampled :

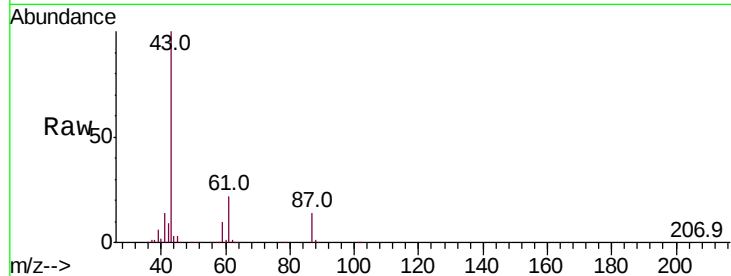
Tot Ion: 43 Resp: 445288

Ion Ratio Lower Upper

43 100

61 22.4 17.1 25.7

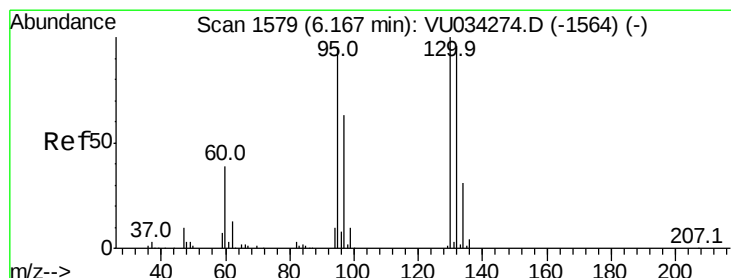
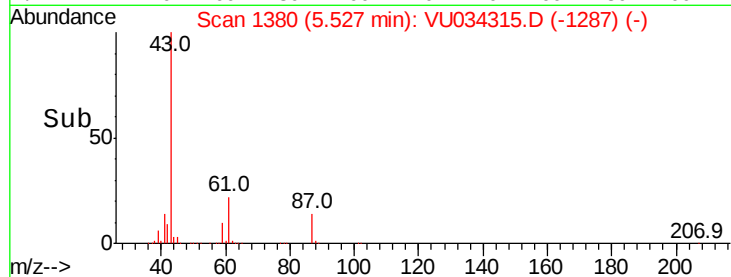
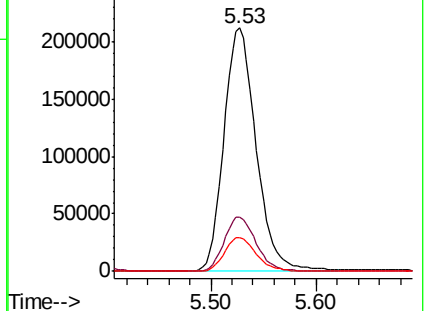
87 13.9 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): VU034315.D (-1287) (-)

Ion 61.00 (60.70 to 61.70): VU034315.D (-1287) (-)

Ion 87.00 (86.70 to 87.70): VU034315.D (-1287) (-)



#44

Trichloroethene

Concen: 49.087 ug/l

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU034315.D

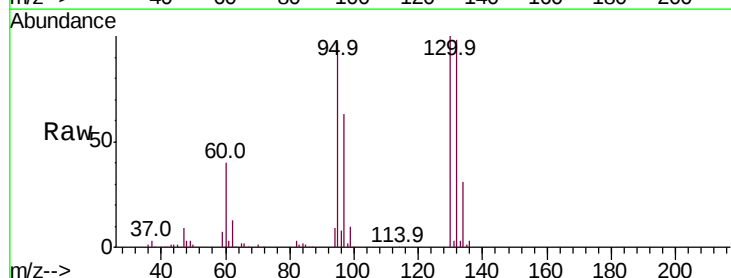
Acq: 06 Sep 2019 08:52

Tgt Ion: 130 Resp: 210159

Ion Ratio Lower Upper

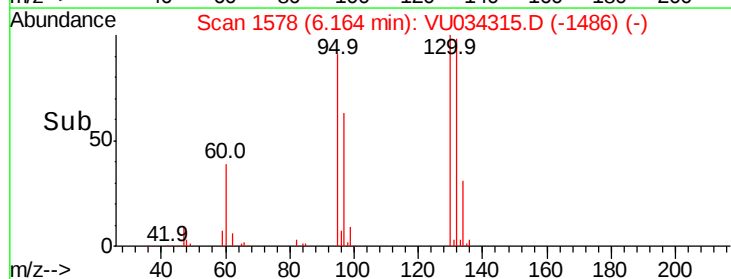
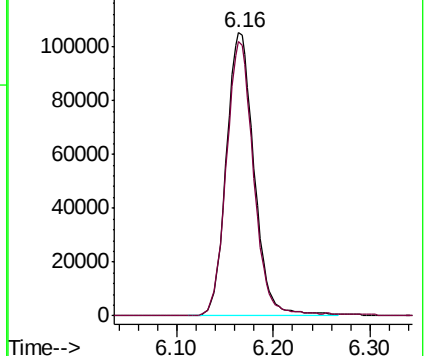
130 100

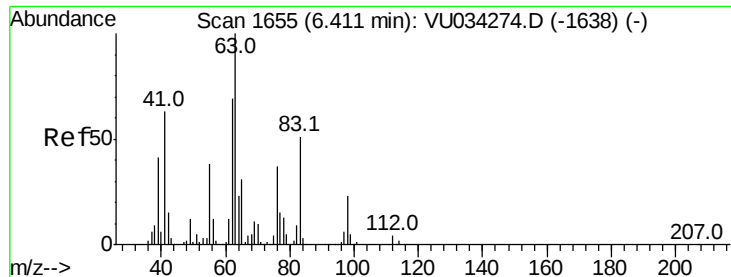
95 96.8 0.0 189.2



Abundance Ion 129.80 (129.50 to 130.50): VU034315.D (-1486) (-)

Ion 94.90 (94.60 to 95.60): VU034315.D (-1486) (-)





#45

1,2-Dichloropropane

Concen: 49.444 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

Instrument :

MSVOA_U

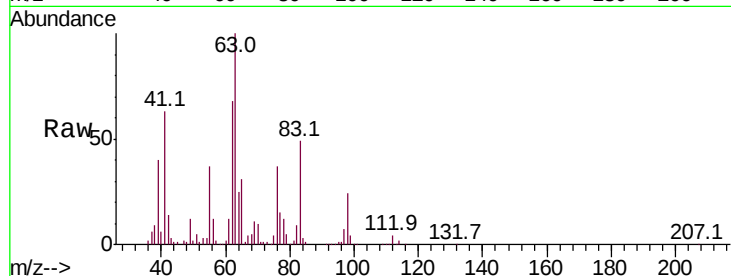
ClientSampleId :

Tot Ion: 63 Resp: 223639

Ion Ratio Lower Upper

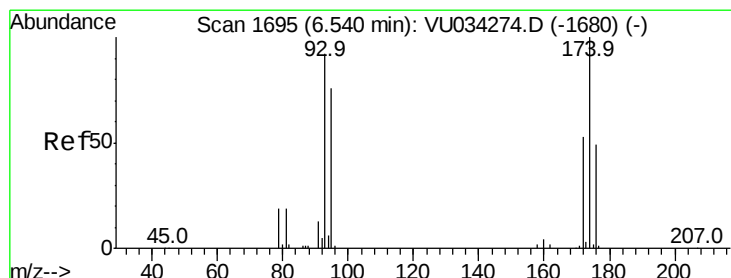
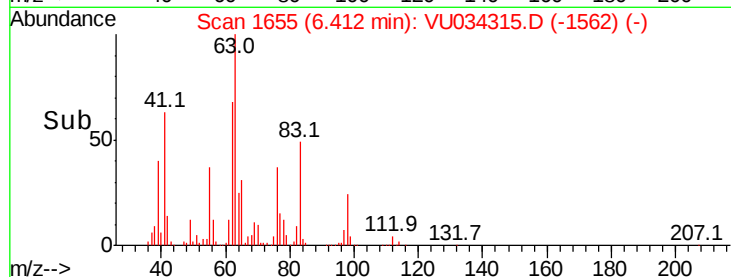
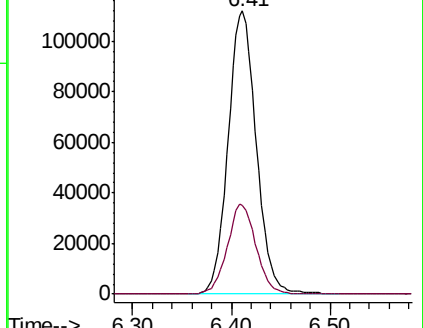
63 100

65 31.4 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VU034274.D (-1638) (-)

Ion 64.90 (64.60 to 65.60): VU034274.D (-1638) (-)



#46

Dibromomethane

Concen: 48.980 ug/l

RT: 6.54 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

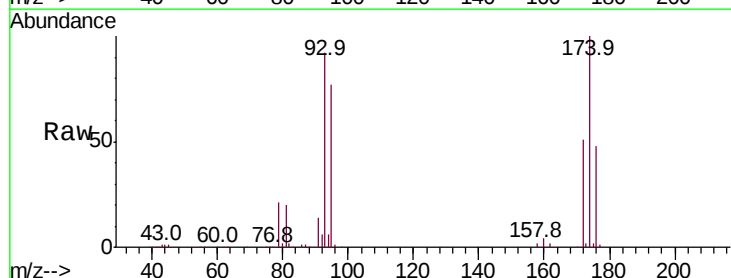
Tgt Ion: 93 Resp: 139061

Ion Ratio Lower Upper

93 100

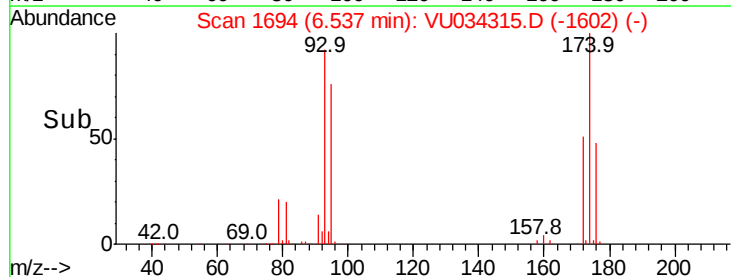
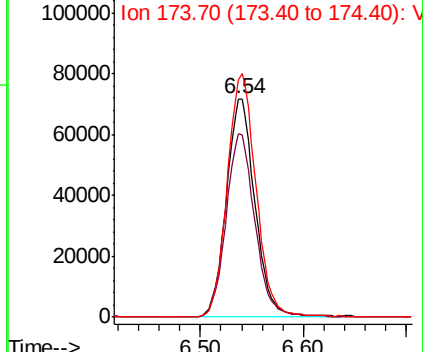
95 84.4 66.5 99.7

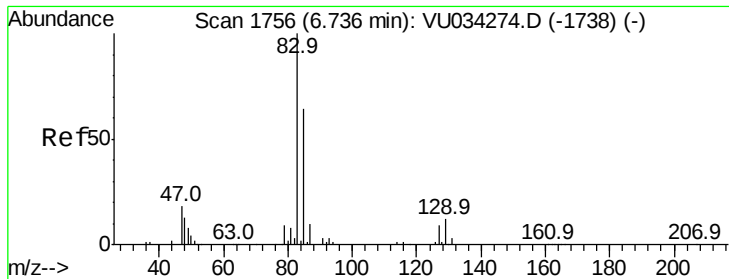
174 112.1 87.8 131.6



Abundance Ion 92.80 (92.50 to 93.50): VU034274.D (-1680) (-)

Ion 94.80 (94.50 to 95.50): VU034274.D (-1680) (-)





#47

Bromodichloromethane

Concen: 49.383 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

Instrument :
MSVOA_U
ClientSampleId :

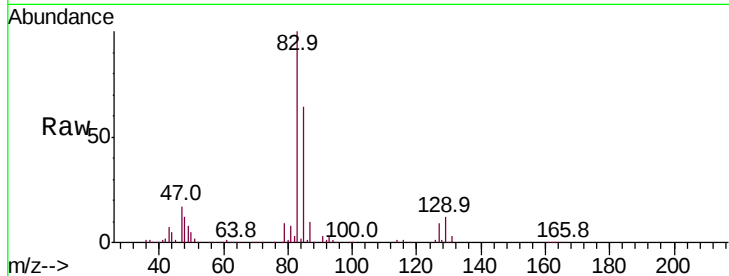
Tot Ion: 83 Resp: 288602

Ion Ratio Lower Upper

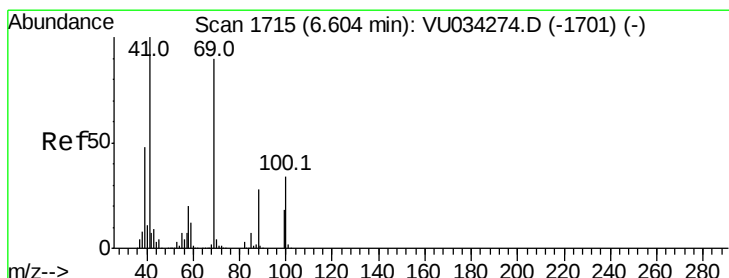
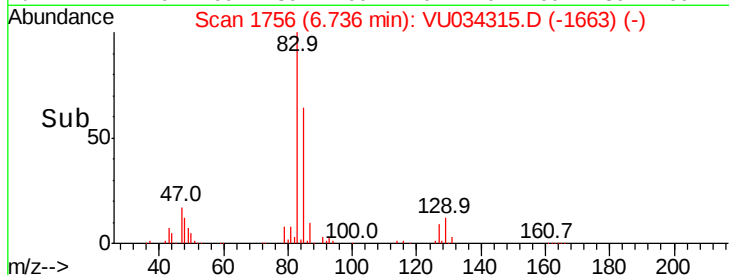
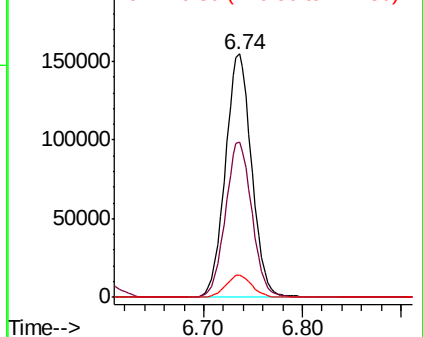
83 100

85 63.8 51.1 76.7

127 9.1 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 84.90 (84.60 to 85.60): VU0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 51.260 ug/l

RT: 6.60 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

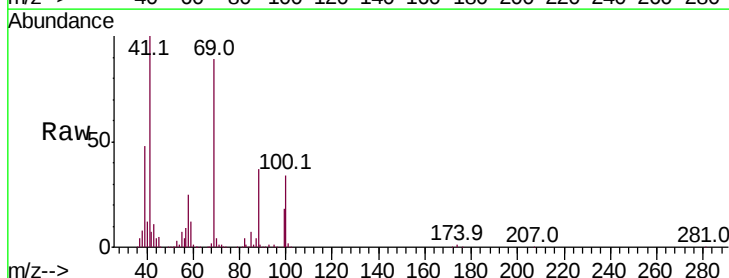
Tgt Ion: 41 Resp: 215311

Ion Ratio Lower Upper

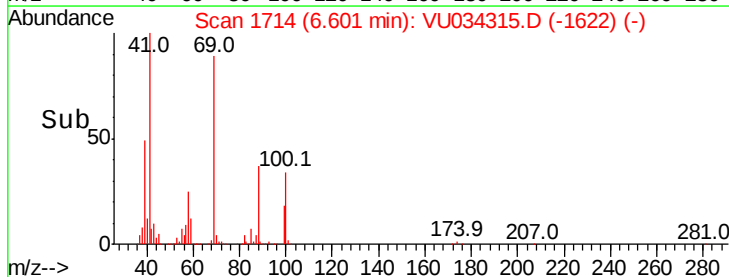
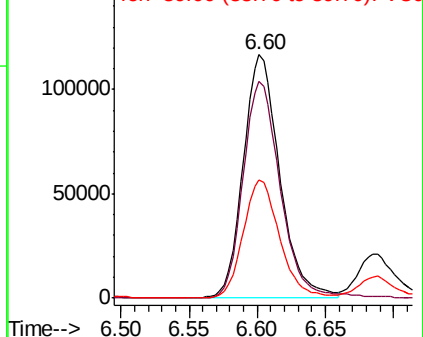
41 100

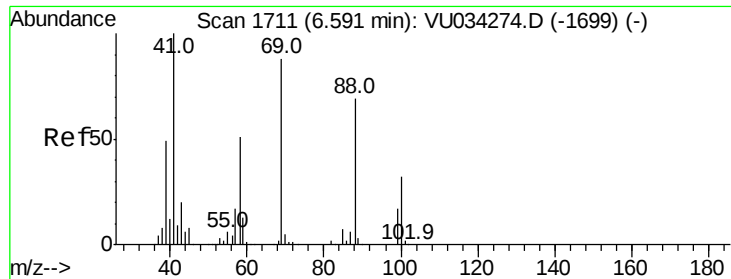
69 91.8 72.8 109.2

39 48.6 38.6 58.0



Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 39.00 (38.70 to 39.70): VU0

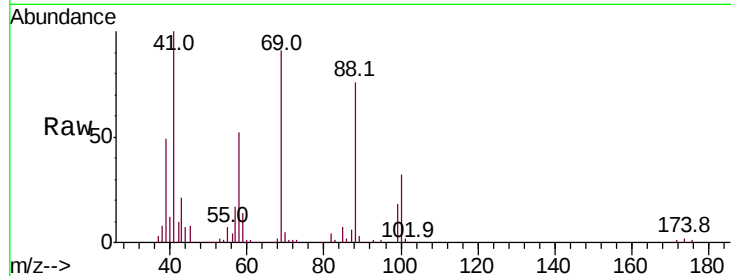




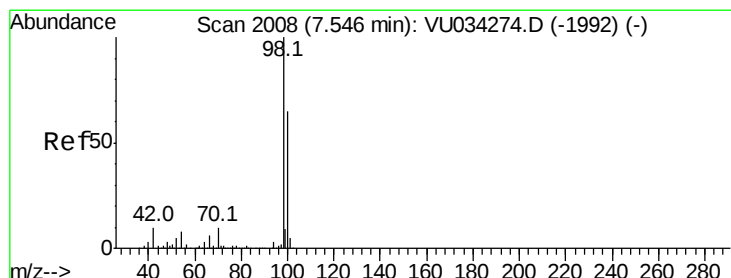
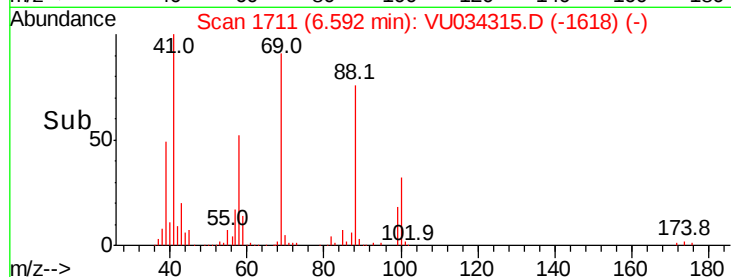
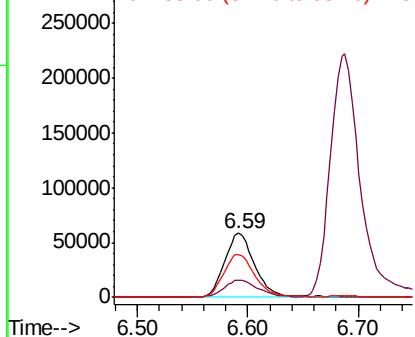
#49
1,4-Dioxane
Concen: 1194.325 ug/l
RT: 6.59 min Scan# 1711
Delta R.T. 0.00 min
Lab File: VU034315.D
Acq: 06 Sep 2019 08:52

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 88 Resp: 109545
Ion Ratio Lower Upper
88 100
43 28.9 23.8 35.6
58 71.2 58.4 87.6

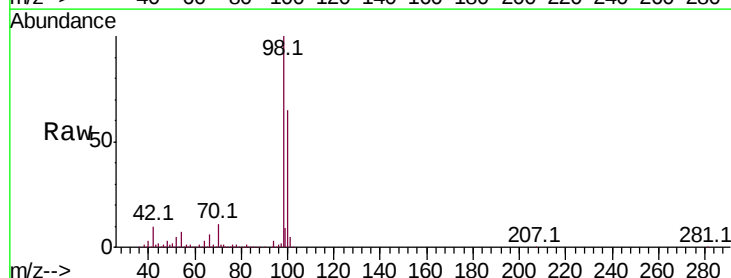


Abundance Ion 88.00 (87.70 to 88.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

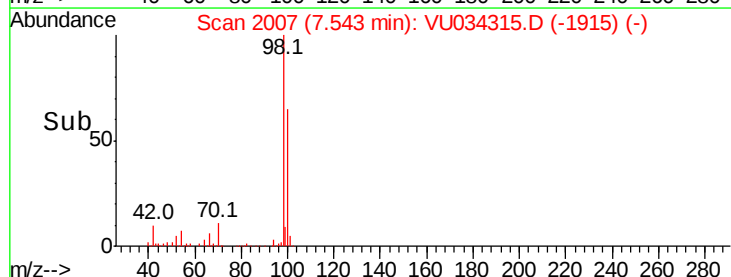
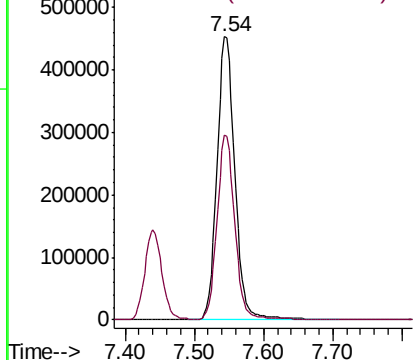


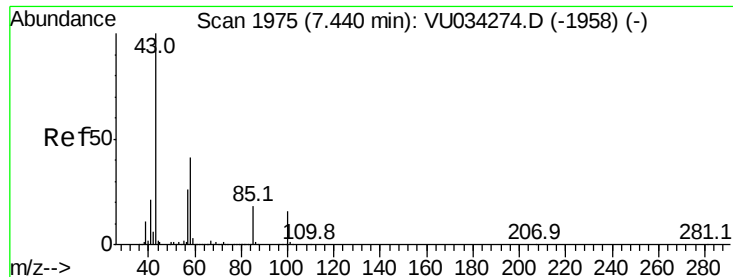
#50
Toluene-d8
Concen: 52.527 ug/l
RT: 7.54 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VU034315.D
Acq: 06 Sep 2019 08:52

Tgt Ion: 98 Resp: 811862
Ion Ratio Lower Upper
98 100
100 63.9 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU0





#51

4-Methyl-2-Pentanone

Concen: 255.345 ug/l

RT: 7.44 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

Instrument :

MSVOA_U

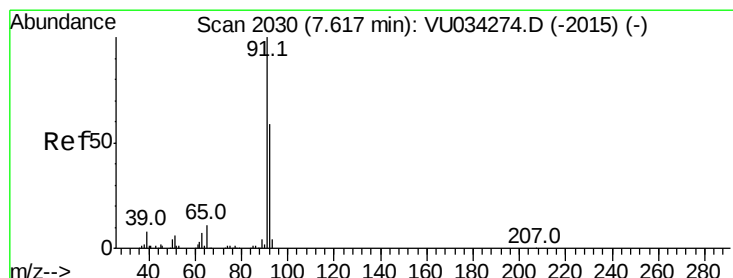
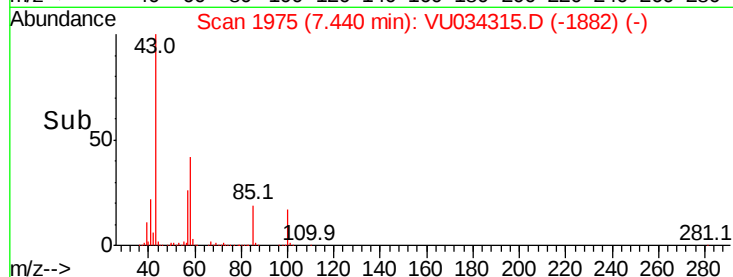
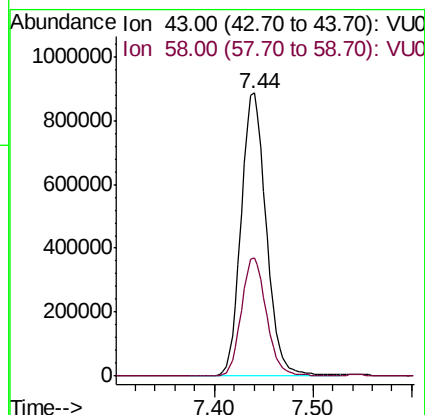
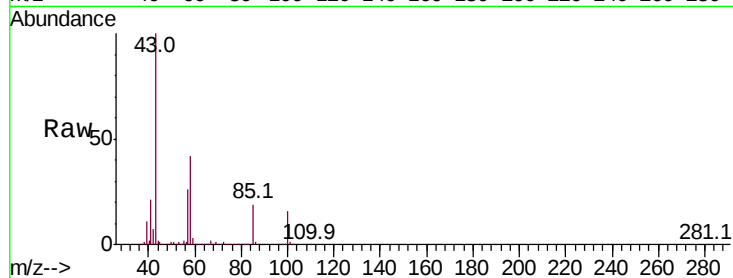
ClientSampleId :

Tot Ion: 43 Resp: 1563116

Ion Ratio Lower Upper

43 100

58 41.7 33.0 49.4



#52

Toluene

Concen: 50.364 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034315.D

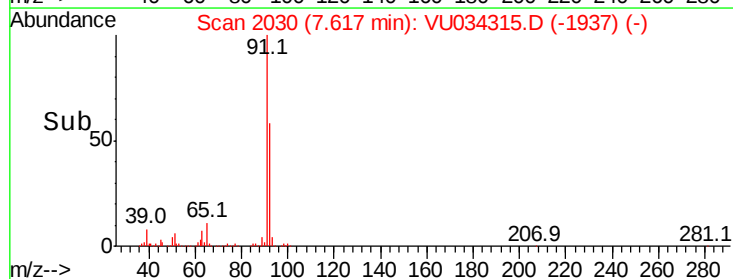
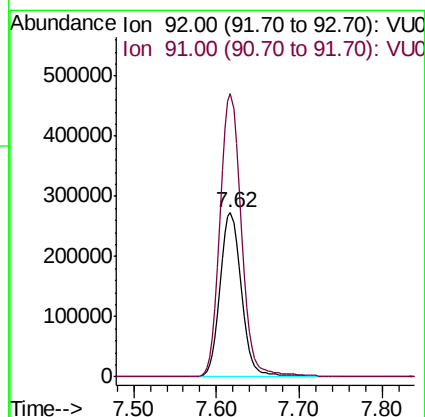
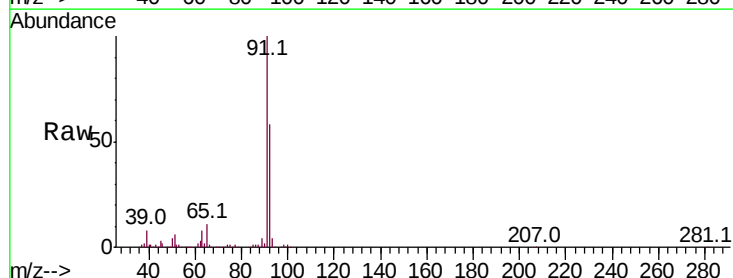
Acq: 06 Sep 2019 08:52

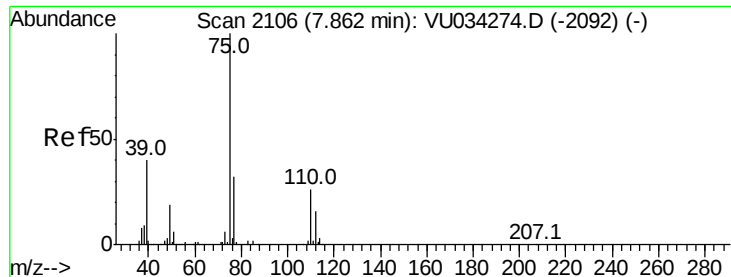
Tgt Ion: 92 Resp: 488807

Ion Ratio Lower Upper

92 100

91 172.8 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 51.473 ug/l

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

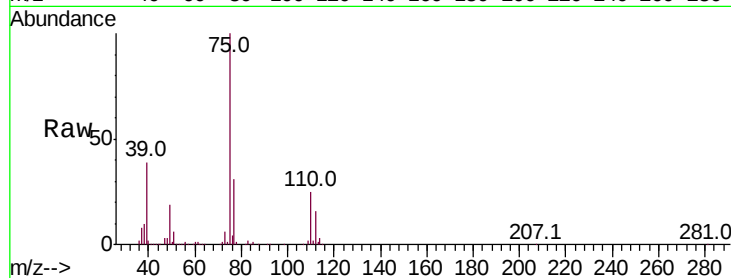
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 75 Resp: 311832

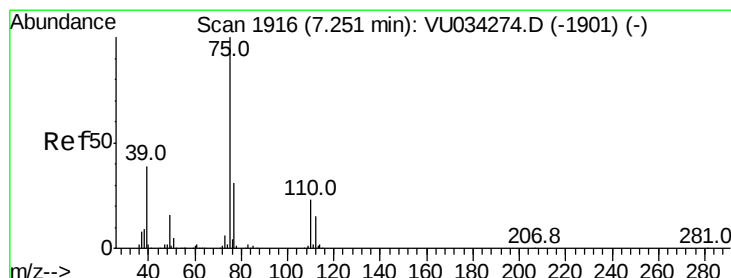
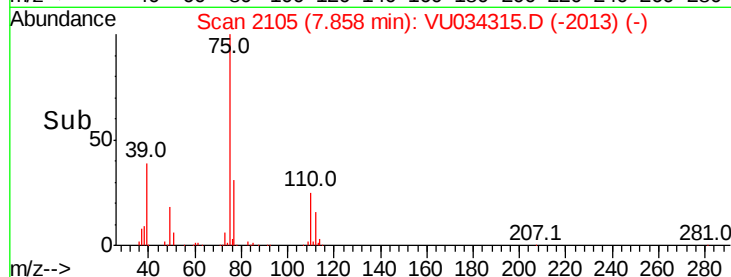
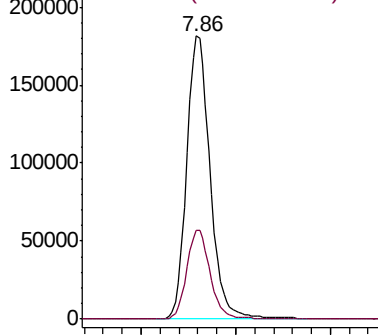
Ion Ratio Lower Upper

75 100

77 31.4 25.7 38.5



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 51.149 ug/l

RT: 7.25 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

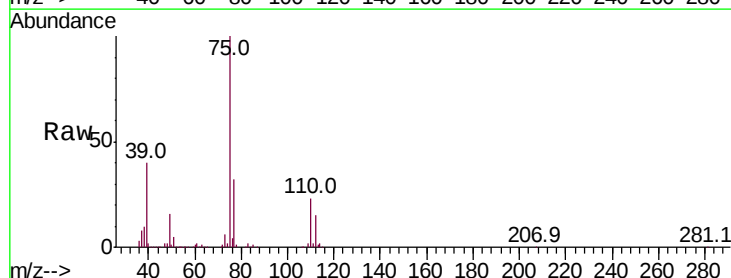
Tgt Ion: 75 Resp: 340095

Ion Ratio Lower Upper

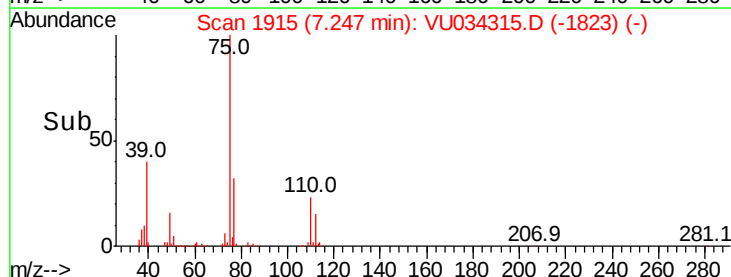
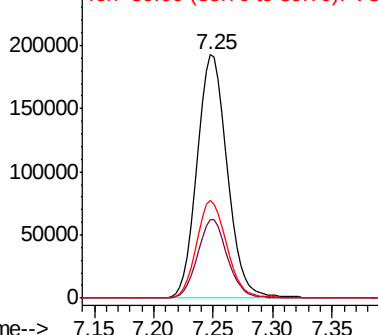
75 100

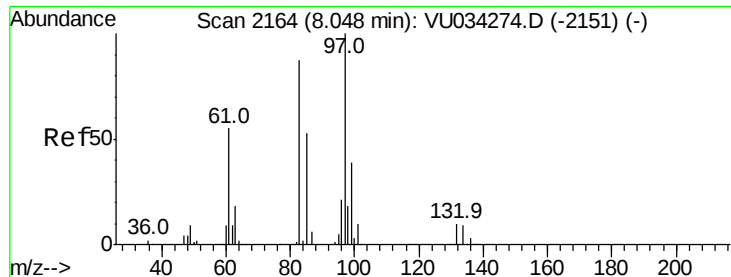
77 32.4 25.1 37.7

39 40.1 31.2 46.8



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 76.90 (76.60 to 77.60): VU0
Ion 39.00 (38.70 to 39.70): VU0

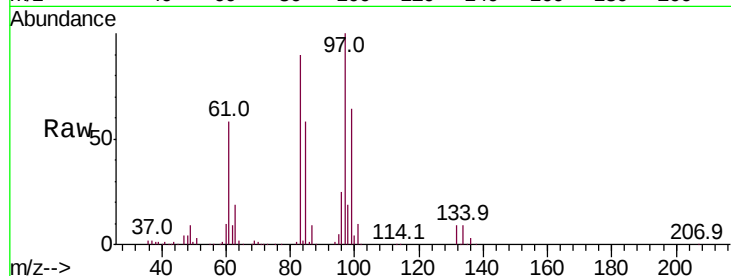




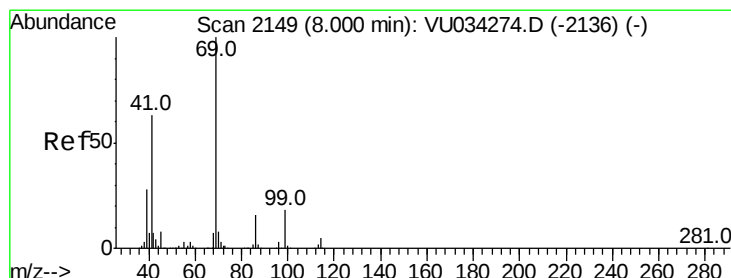
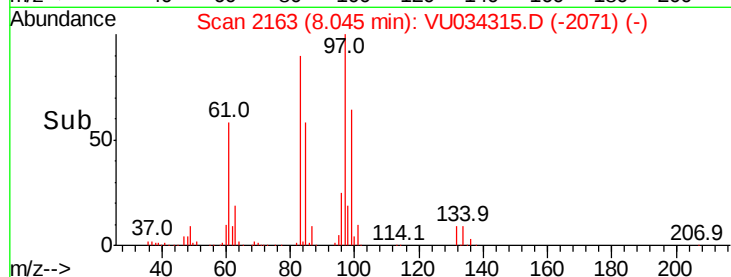
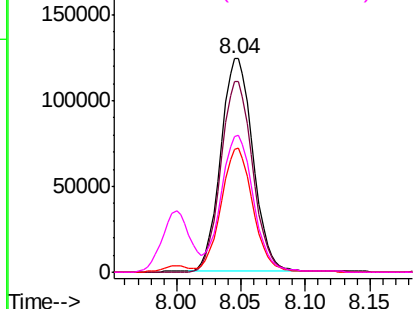
#55
 1,1,2-Trichloroethane
 Concen: 48.814 ug/l
 RT: 8.04 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: VU034315.D
 Acq: 06 Sep 2019 08:52

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	215124
Ion	Ratio	Lower	Upper
97	100		
83	89.7	69.0	103.6
85	57.6	44.2	66.2
99	63.6	49.4	74.0

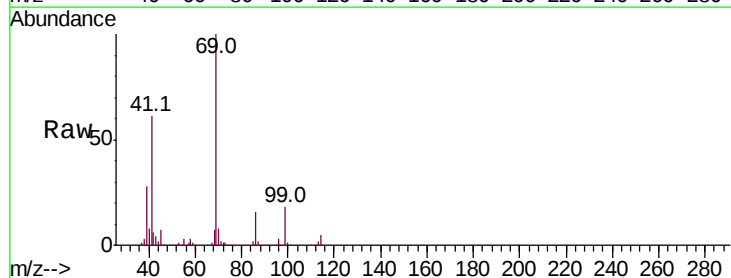


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

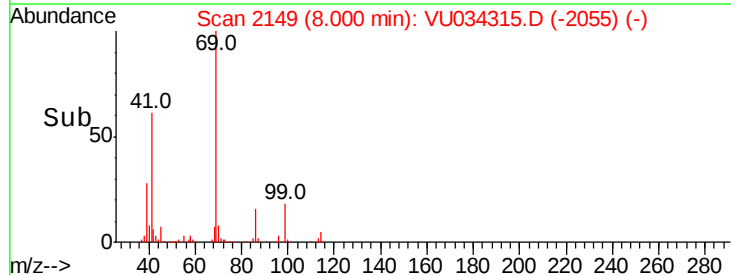
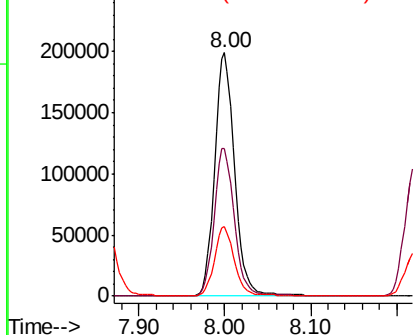


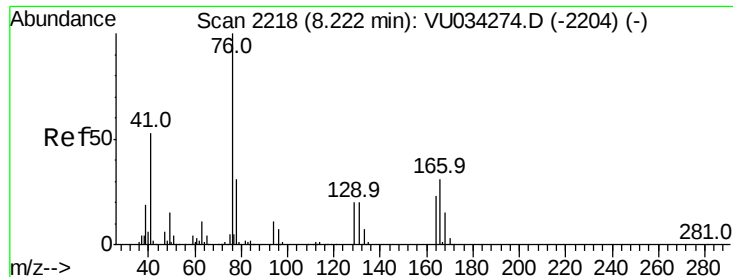
#56
 Ethyl methacrylate
 Concen: 48.305 ug/l
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VU034315.D
 Acq: 06 Sep 2019 08:52

Tgt Ion:	69	Resp:	322683
Ion	Ratio	Lower	Upper
69	100		
41	61.3	49.5	74.3
39	27.9	22.5	33.7



Abundance Ion 69.00 (68.70 to 69.70): VU0
 Ion 41.00 (40.70 to 41.70): VU0
 Ion 39.00 (38.70 to 39.70): VU0





#57

1,3-Dichloropropane

Concen: 49.745 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

Instrument :

MSVOA_U

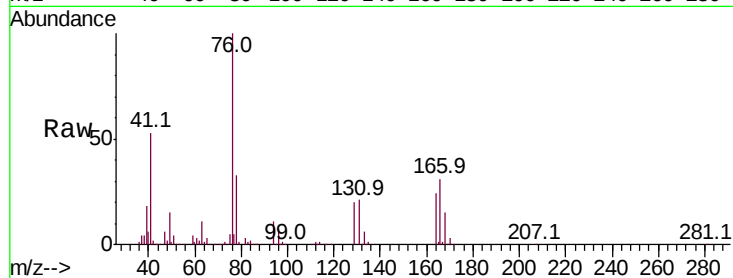
ClientSampled :

Tot Ion: 76 Resp: 356981

Ion Ratio Lower Upper

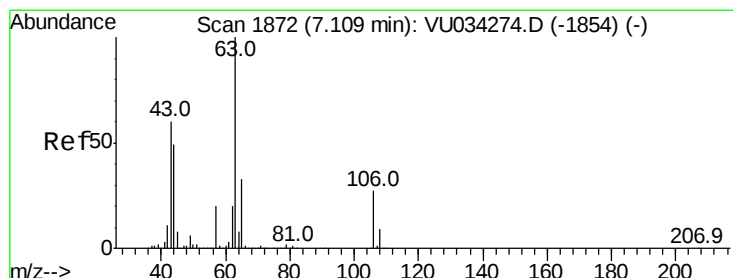
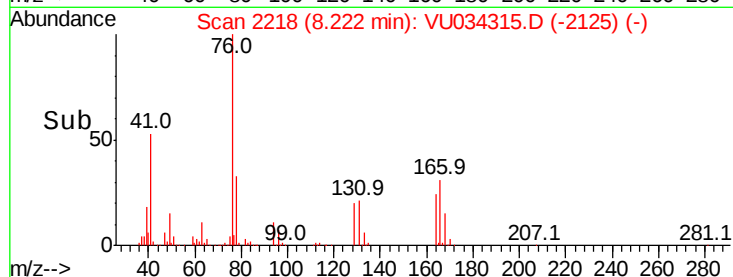
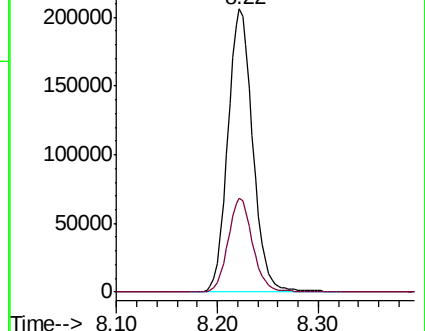
76 100

78 32.4 25.4 38.2



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 248.378 ug/l

RT: 7.11 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VU034315.D

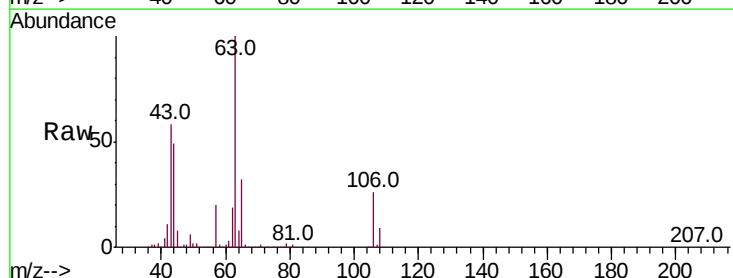
Acq: 06 Sep 2019 08:52

Tgt Ion: 63 Resp: 562378

Ion Ratio Lower Upper

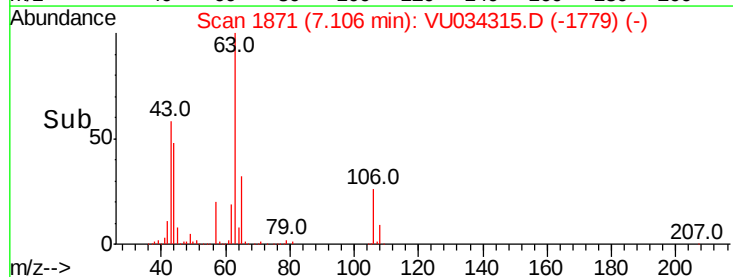
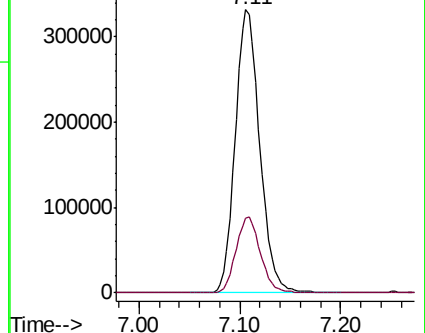
63 100

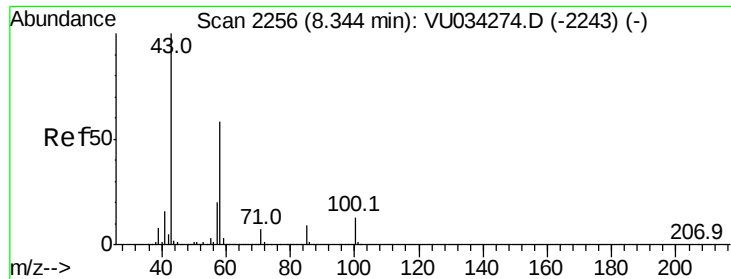
106 26.8 21.6 32.4



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

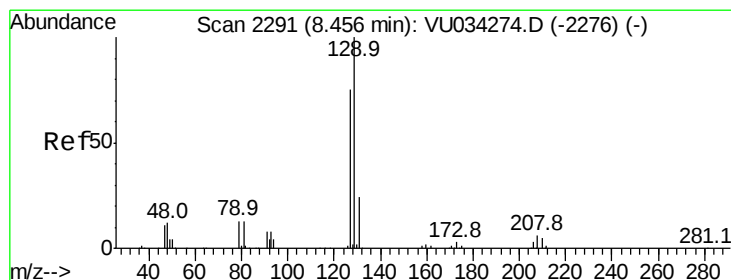
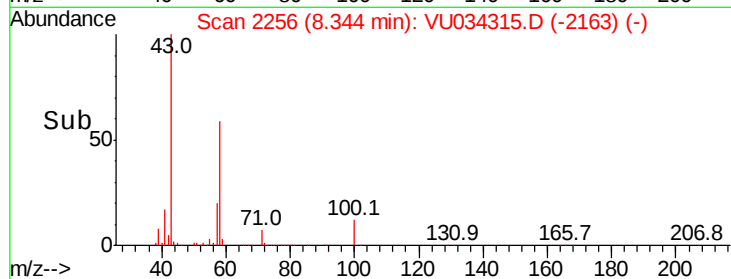
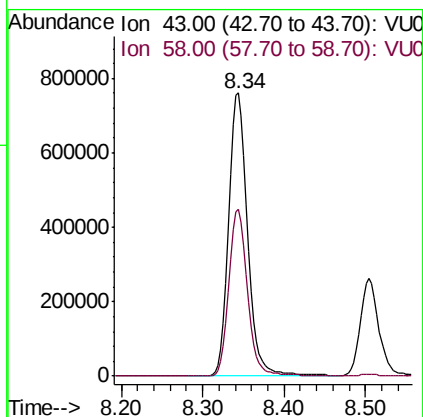
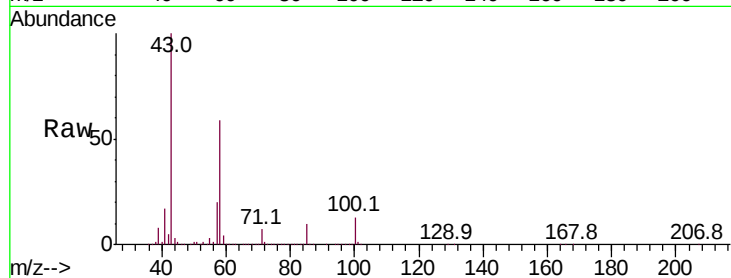




#59
2-Hexanone
Concen: 273.870 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU034315.D
Acq: 06 Sep 2019 08:52

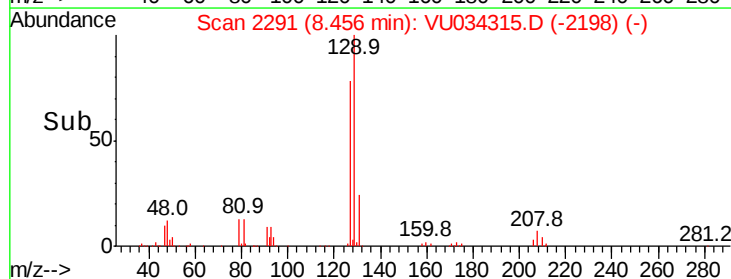
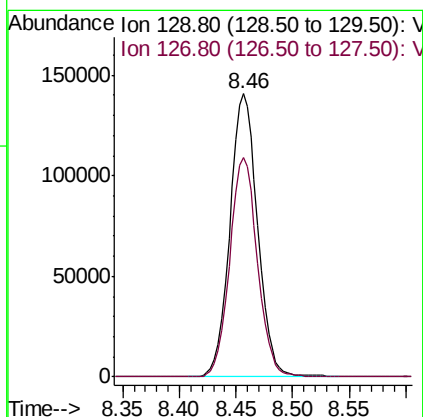
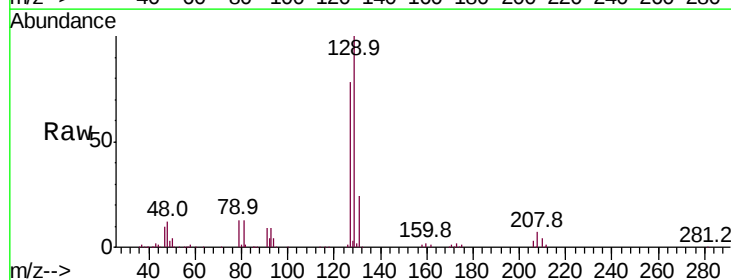
Instrument :
MSVOA_U
ClientSampleId :

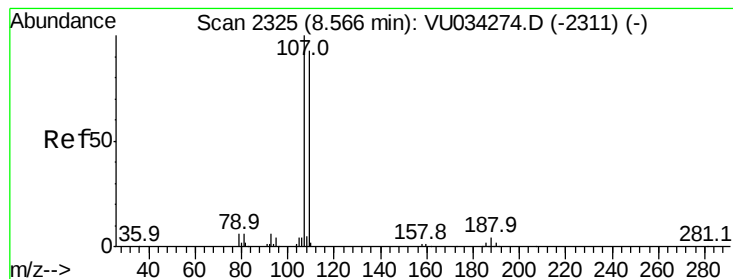
Tot Ion: 43 Resp: 1252443
Ion Ratio Lower Upper
43 100
58 58.5 28.8 86.5



#60
Dibromochloromethane
Concen: 50.678 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU034315.D
Acq: 06 Sep 2019 08:52

Tgt Ion: 129 Resp: 239555
Ion Ratio Lower Upper
129 100
127 77.5 37.9 113.7





#61

1,2-Dibromoethane

Concen: 50.827 ug/l

RT: 8.57 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

Instrument :

MSVOA_U

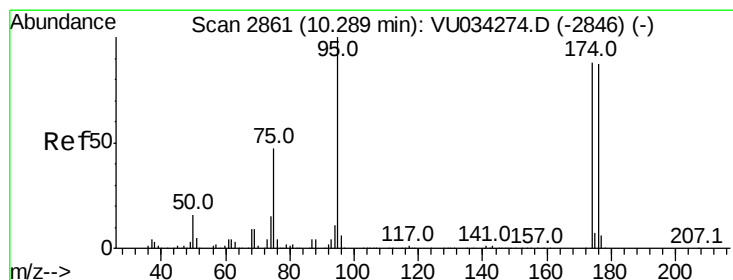
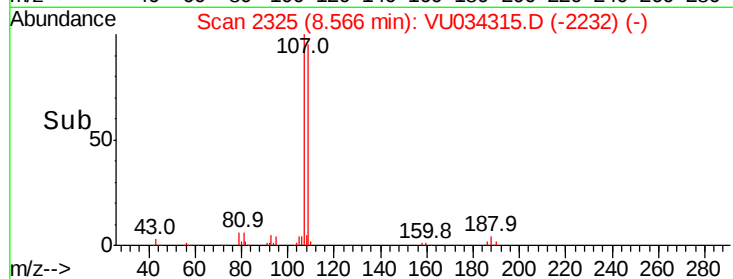
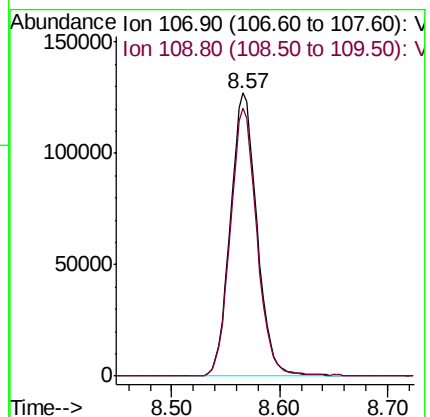
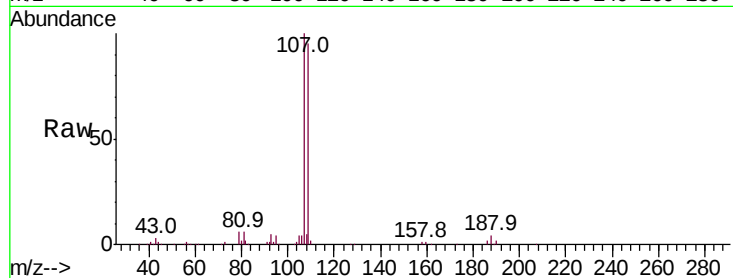
ClientSampleId :

Tot Ion:107 Resp: 219241

Ion Ratio Lower Upper

107 100

109 94.0 75.0 112.6



#62

4-Bromofluorobenzene

Concen: 51.501 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

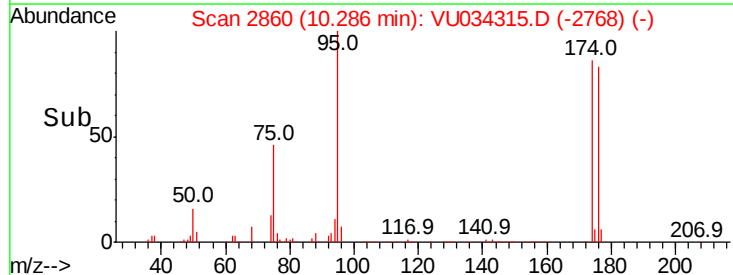
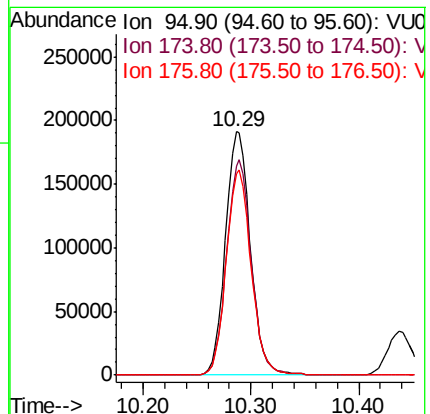
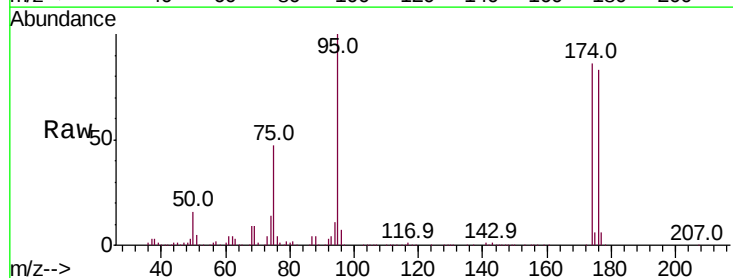
Tgt Ion: 95 Resp: 307333

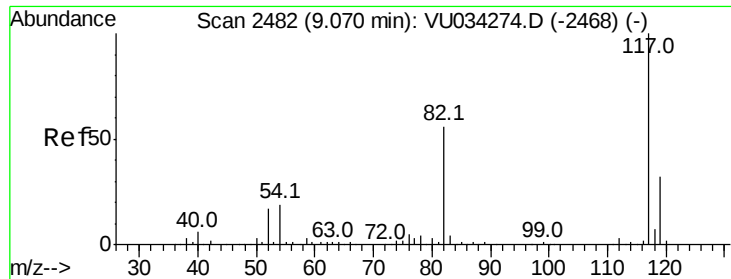
Ion Ratio Lower Upper

95 100

174 87.8 0.0 175.2

176 84.4 0.0 168.0

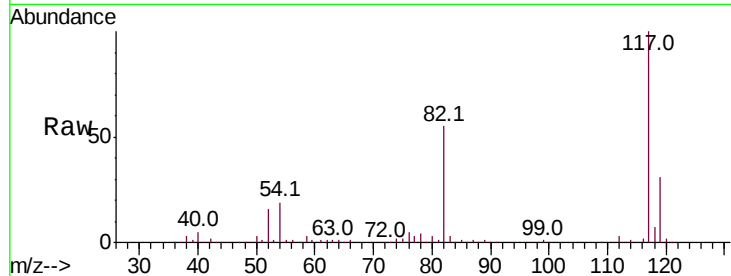




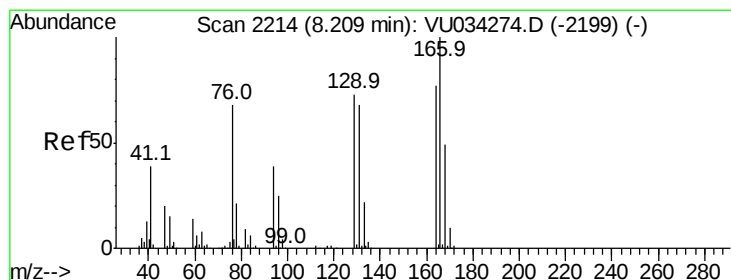
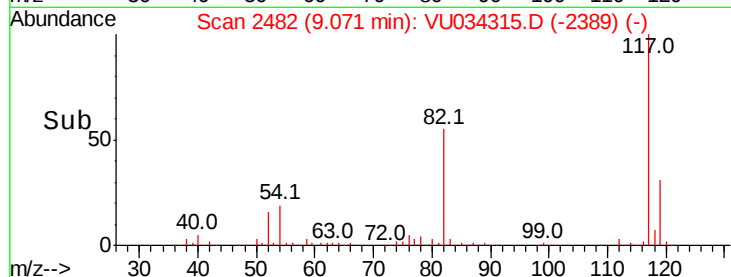
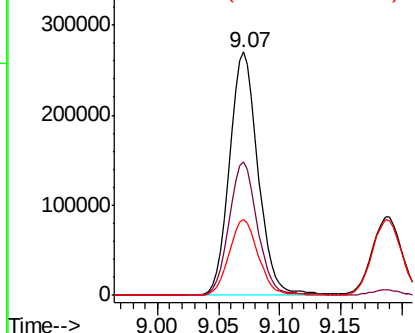
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034315.D
Acq: 06 Sep 2019 08:52

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 441519
Ion Ratio Lower Upper
117 100
82 54.8 44.6 67.0
119 31.4 25.9 38.9

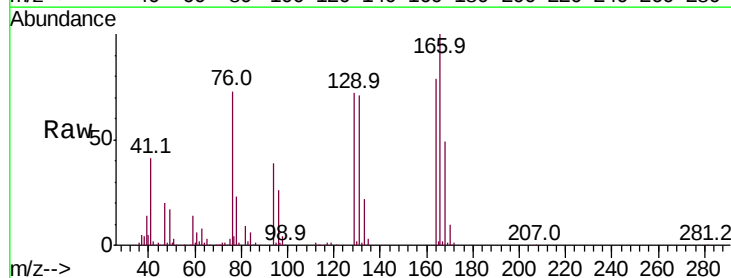


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU034315.D (-2389) (-)
Ion 118.90 (118.60 to 119.60): V

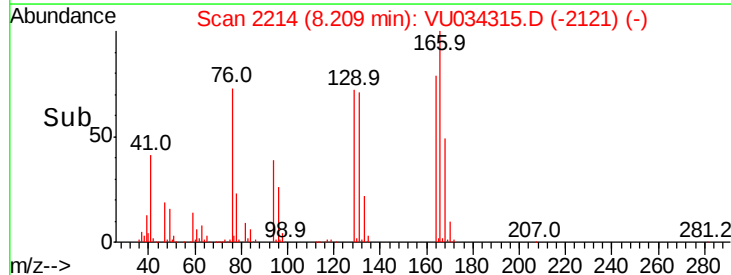
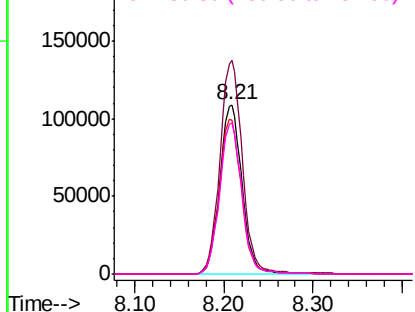


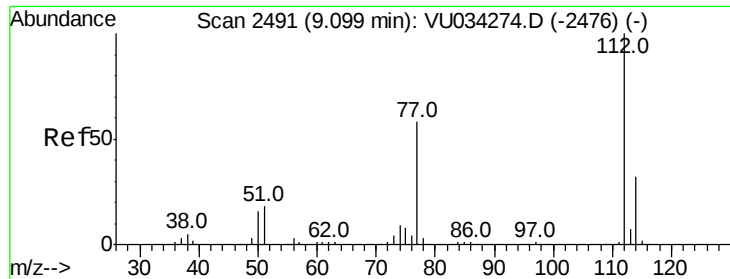
#64
Tetrachloroethene
Concen: 49.384 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU034315.D
Acq: 06 Sep 2019 08:52

Tgt Ion:164 Resp: 189161
Ion Ratio Lower Upper
164 100
166 125.9 103.7 155.5
129 90.7 75.8 113.8
131 89.2 70.7 106.1



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 50.708 ug/l

RT: 9.10 min Scan# 2491

Delta R.T. 0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

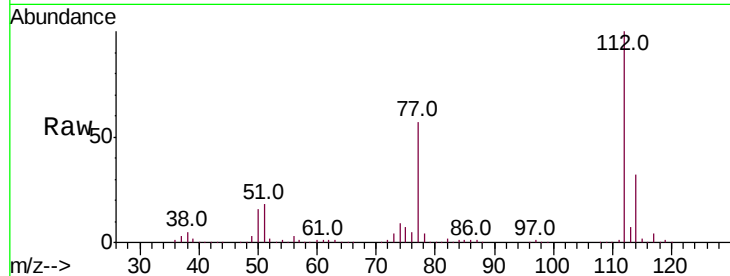
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:112 Resp: 568012

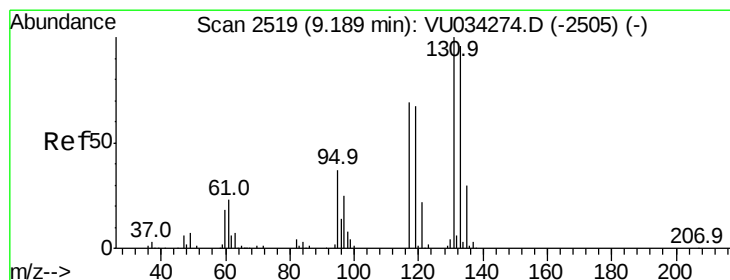
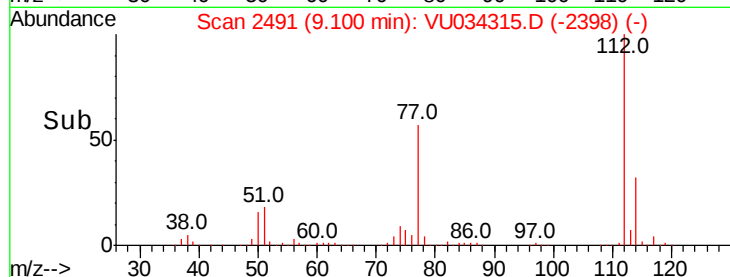
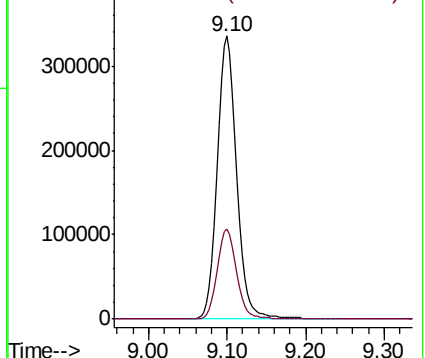
Ion Ratio Lower Upper

112 100

114 31.8 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 49.760 ug/l

RT: 9.19 min Scan# 2518

Delta R.T. -0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

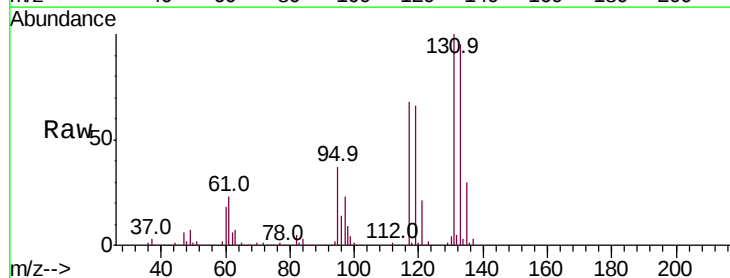
Tgt Ion:131 Resp: 212720

Ion Ratio Lower Upper

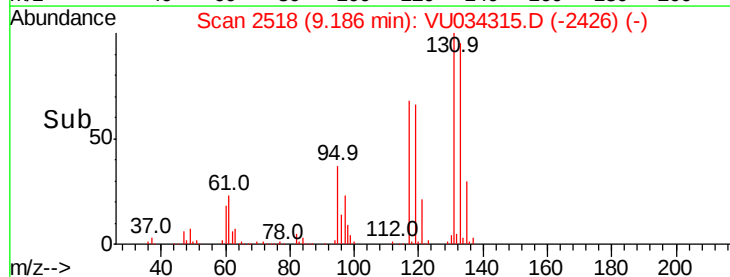
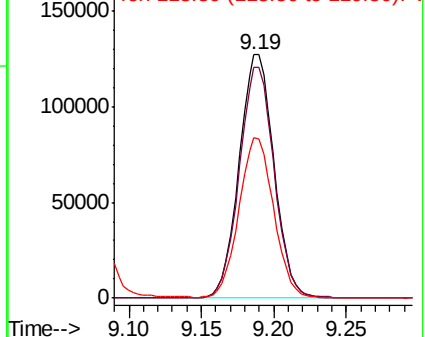
131 100

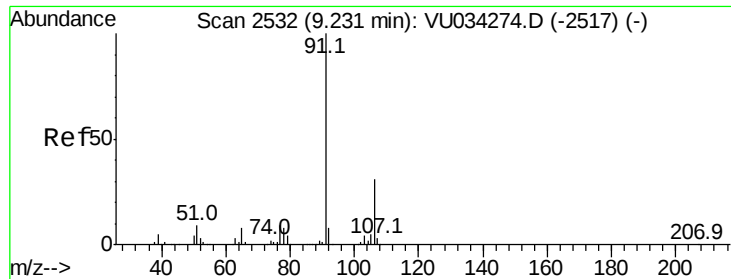
133 95.5 47.9 143.7

119 65.5 33.1 99.5



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V

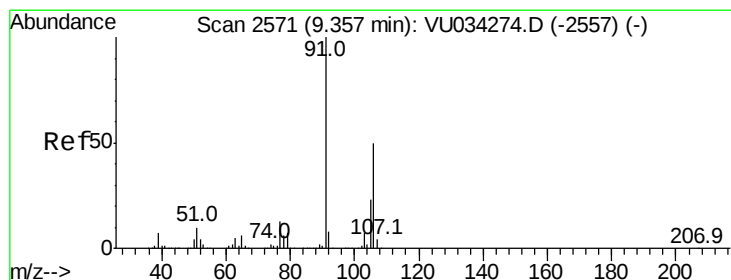
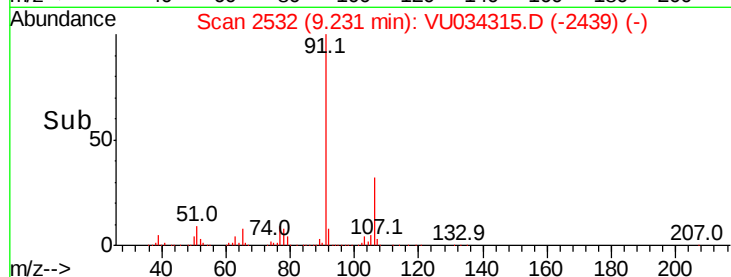
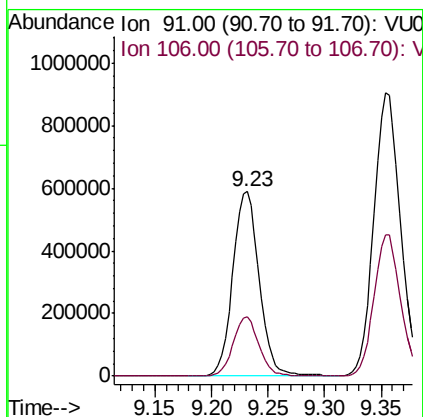
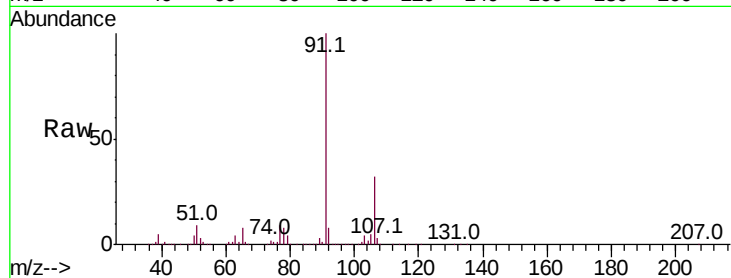




#67
Ethyl Benzene
Concen: 52.485 ug/l
RT: 9.23 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU034315.D
Acq: 06 Sep 2019 08:52

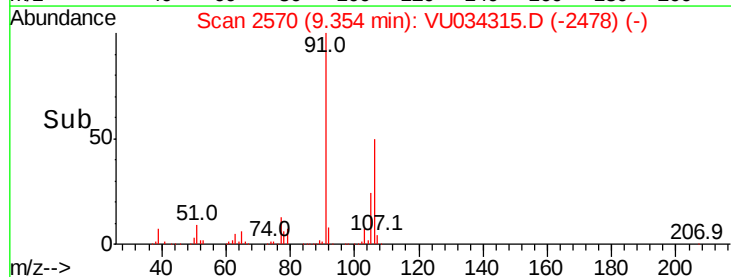
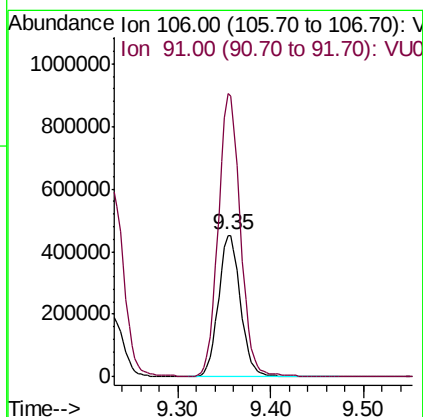
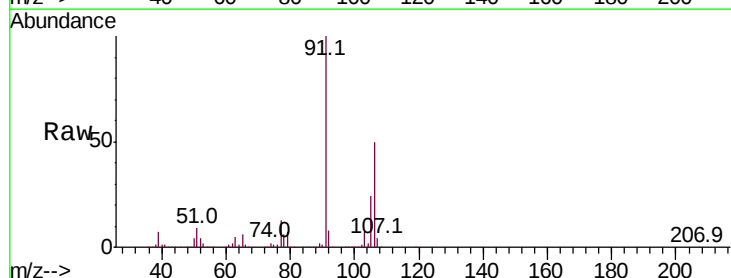
Instrument :
MSVOA_U
ClientSampleId :

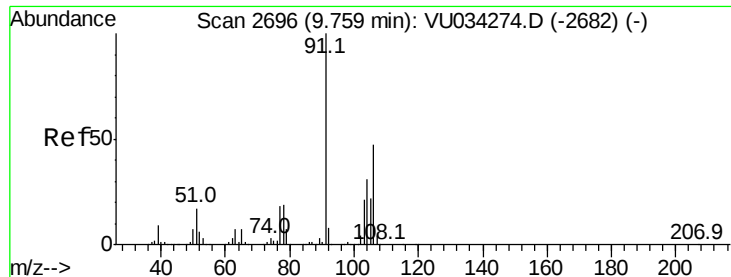
Tot Ion: 91 Resp: 961268
Ion Ratio Lower Upper
91 100
106 32.0 24.8 37.2



#68
m/p-Xylenes
Concen: 108.341 ug/l
RT: 9.35 min Scan# 2570
Delta R.T. -0.00 min
Lab File: VU034315.D
Acq: 06 Sep 2019 08:52

Tgt Ion: 106 Resp: 747201
Ion Ratio Lower Upper
106 100
91 200.3 160.1 240.1

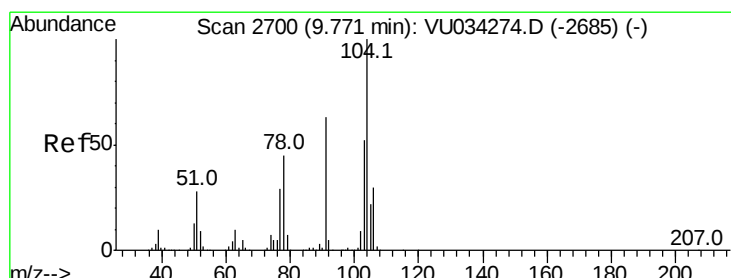
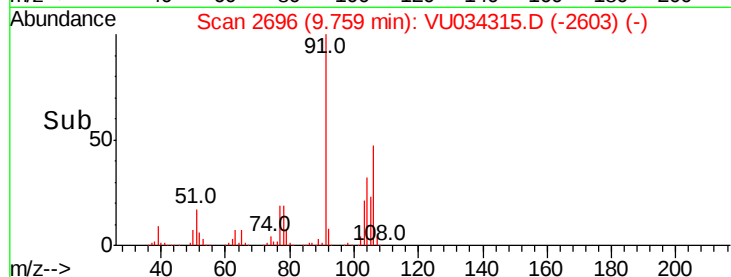
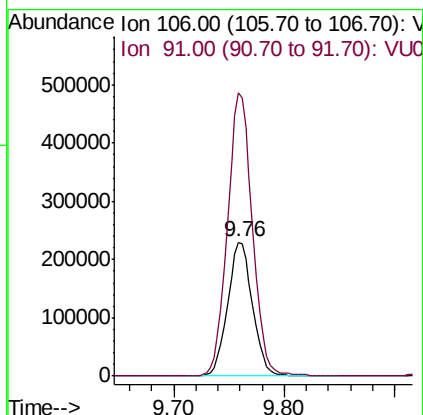
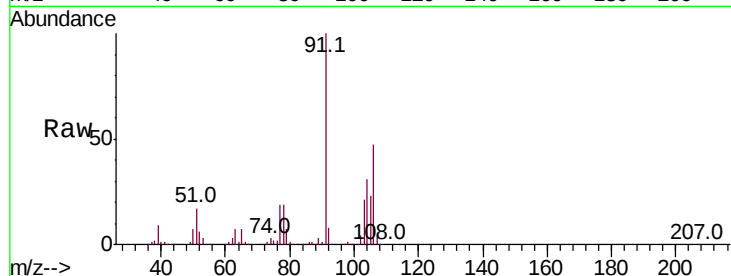




#69
o-Xylene
Concen: 53.408 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. 0.00 min
Lab File: VU034315.D
Acq: 06 Sep 2019 08:52

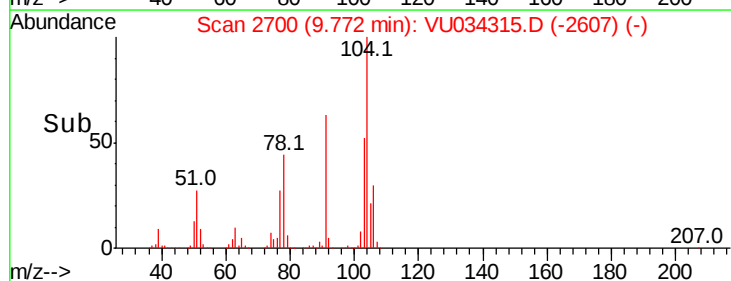
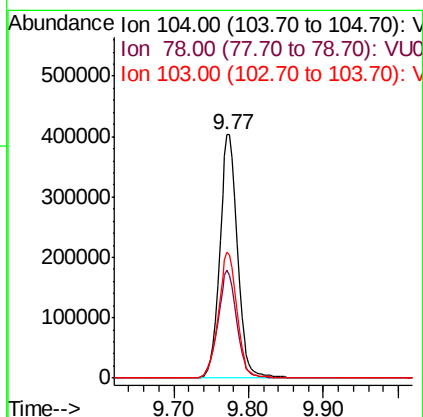
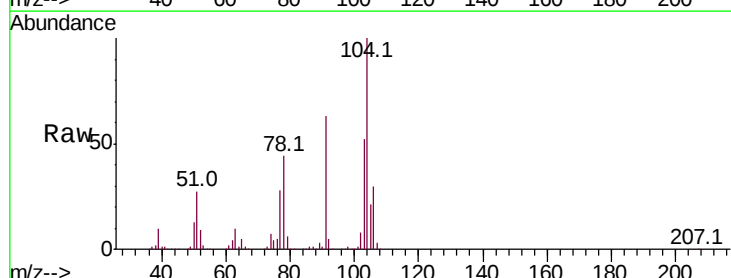
Instrument :
MSVOA_U
ClientSampled :

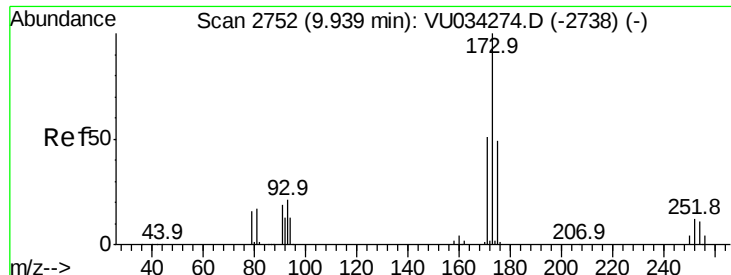
Tot Ion:106 Resp: 360224
Ion Ratio Lower Upper
106 100
91 210.8 105.1 315.3



#70
Styrene
Concen: 55.907 ug/l
RT: 9.77 min Scan# 2700
Delta R.T. 0.00 min
Lab File: VU034315.D
Acq: 06 Sep 2019 08:52

Tgt Ion:104 Resp: 661121
Ion Ratio Lower Upper
104 100
78 47.0 38.6 57.8
103 54.4 44.2 66.4





#71

Bromoform

Concen: 51.294 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. 0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

Instrument :
MSVOA_U
ClientSampleId :

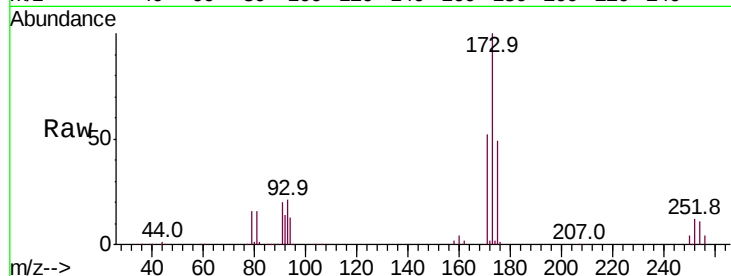
Tot Ion:173 Resp: 190038

Ion Ratio Lower Upper

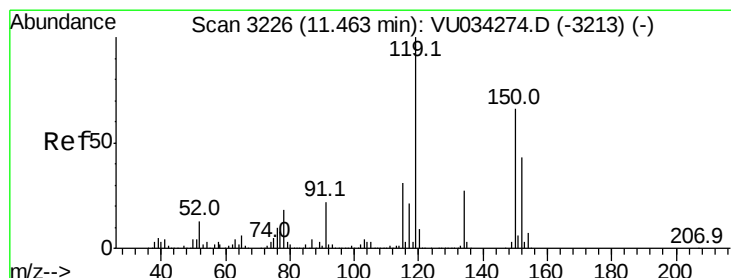
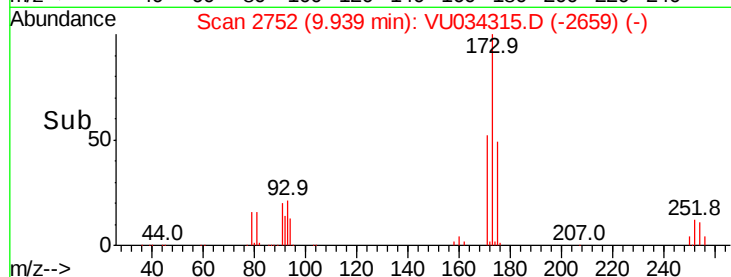
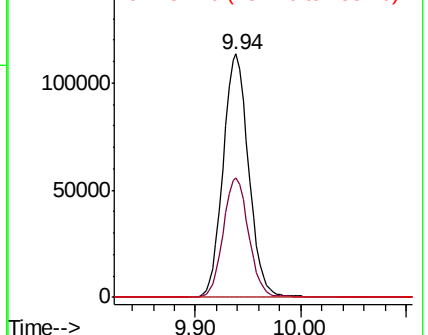
173 100

175 49.0 24.4 73.2

254 0.1 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.46 min Scan# 3226

Delta R.T. 0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

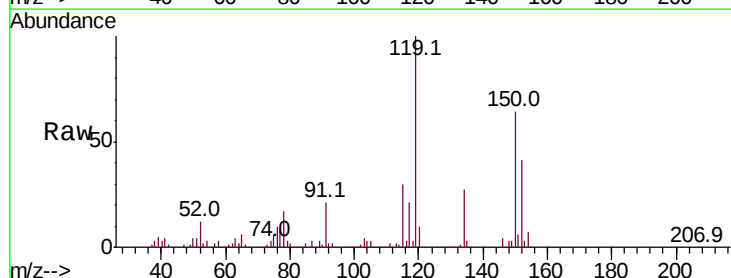
Tgt Ion:152 Resp: 292934

Ion Ratio Lower Upper

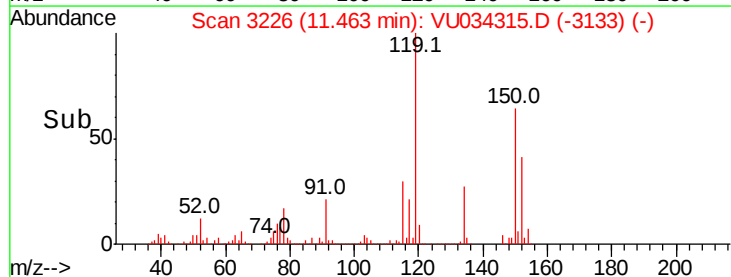
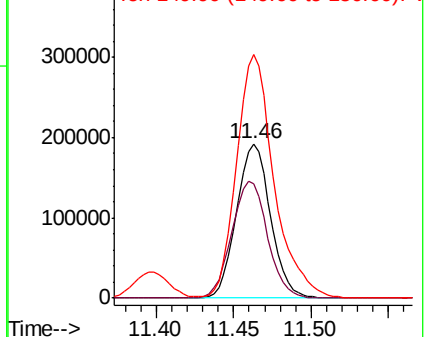
152 100

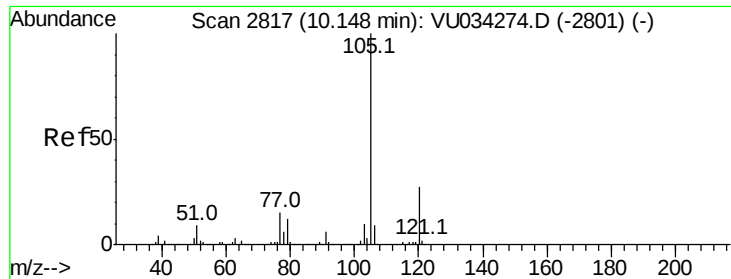
115 79.6 39.1 117.3

150 173.9 0.0 345.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.277 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

Instrument :

MSVOA_U

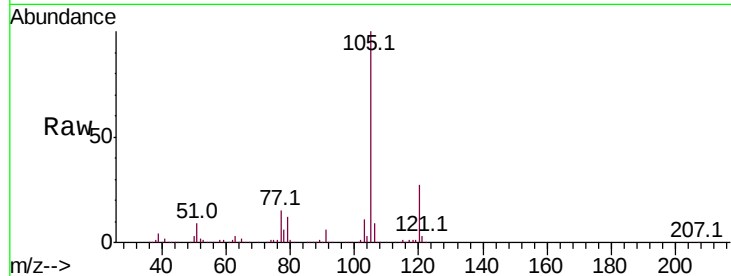
ClientSampleId :

Tot Ion:105 Resp: 996578

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

10.15

600000

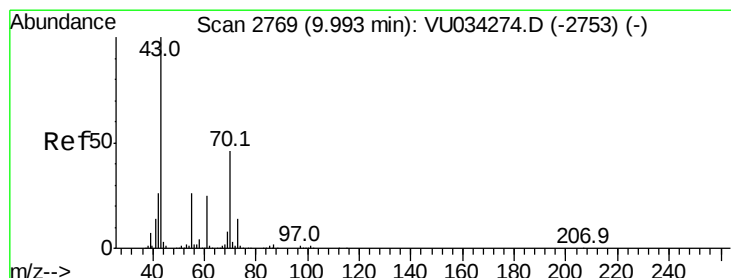
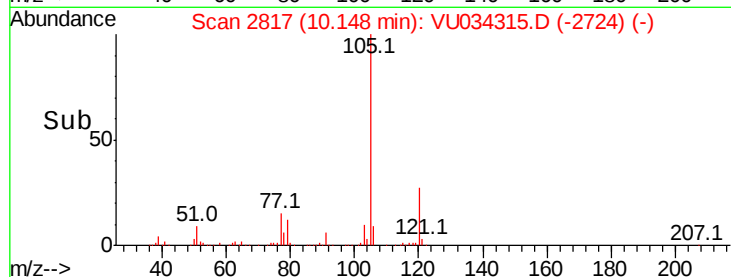
400000

200000

0

Time-->

10.10 10.20



#74

N-ethyl acetate

Concen: 53.963 ug/l

RT: 9.99 min Scan# 2769

Delta R.T. 0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

Tgt Ion: 43 Resp: 414089

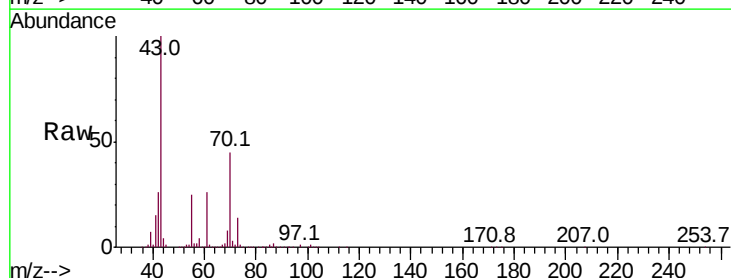
Ion Ratio Lower Upper

43 100

70 45.0 36.4 54.6

55 25.9 21.2 31.8

61 26.1 20.4 30.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

9.99

400000

300000

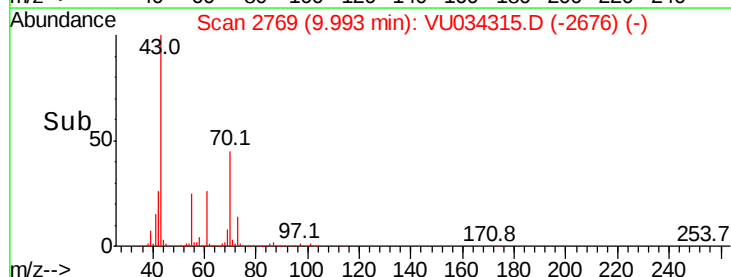
200000

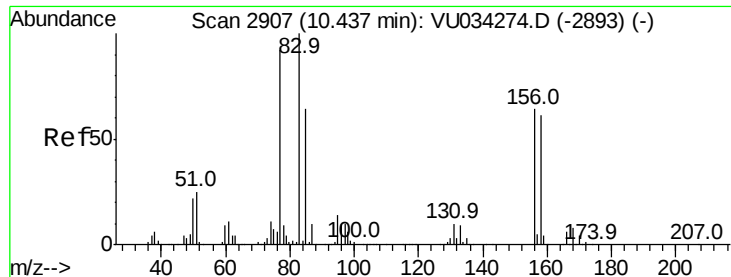
100000

0

Time-->

9.90 10.00 10.10





#75

1,1,2,2-Tetrachloroethane

Concen: 48.414 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. 0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

Instrument :

MSVOA_U

ClientSampled :

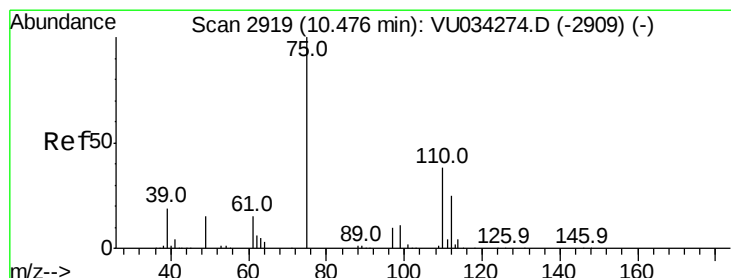
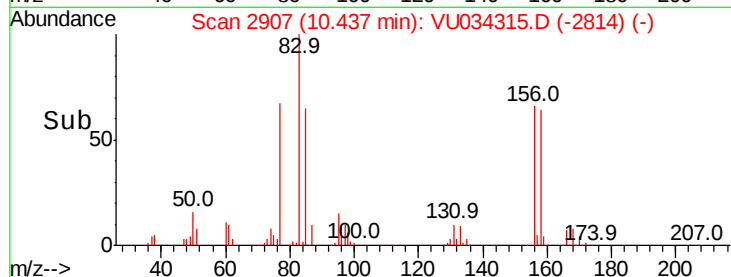
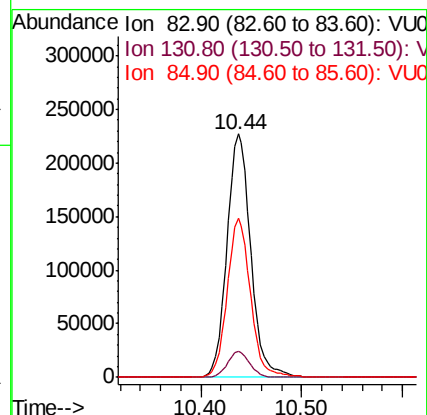
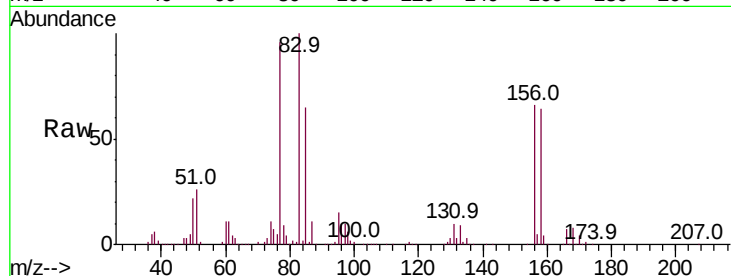
Tot Ion: 83 Resp: 373581

Ion Ratio Lower Upper

83 100

131 10.0 5.1 15.2

85 64.4 32.0 96.2



#76

1,2,3-Trichloropropane

Concen: 64.615 ug/l

RT: 10.47 min Scan# 2918

Delta R.T. -0.00 min

Lab File: VU034315.D

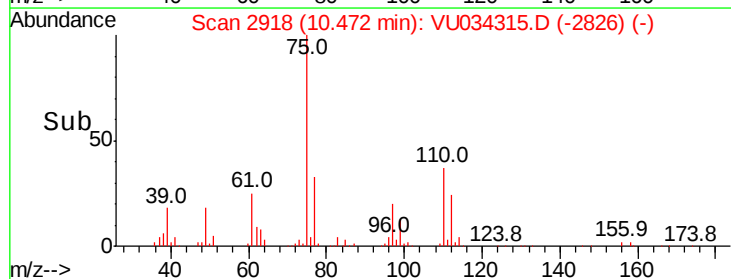
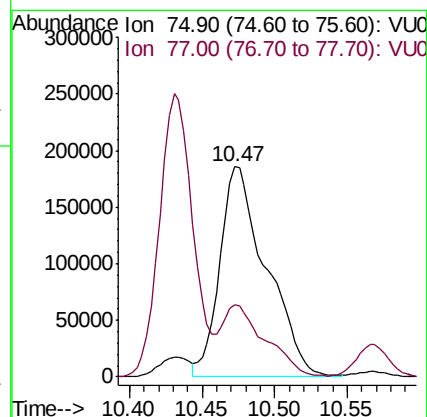
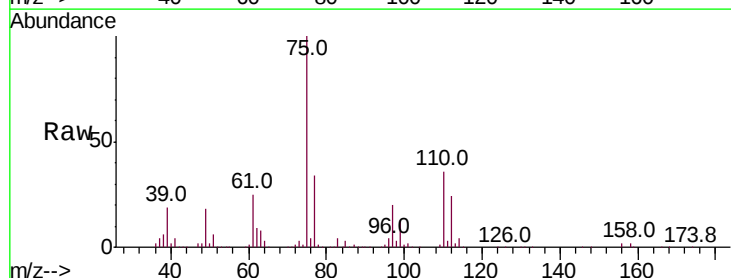
Acq: 06 Sep 2019 08:52

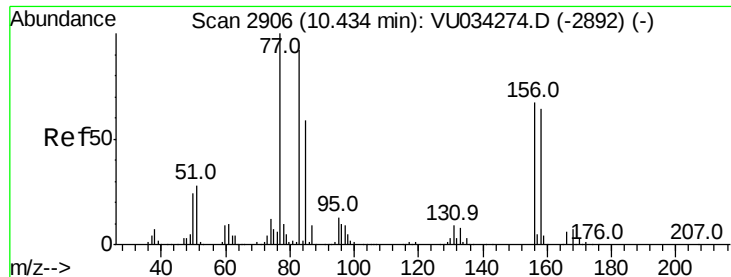
Tgt Ion: 75 Resp: 413161

Ion Ratio Lower Upper

75 100

77 31.2 20.8 62.2





#77

Bromobenzene

Concen: 50.307 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

Instrument :

MSVOA_U

ClientSampleId :

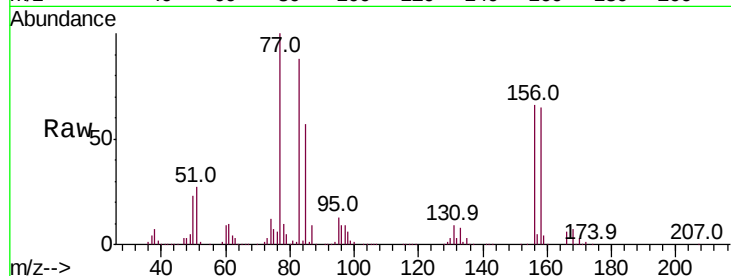
Tot Ion:156 Resp: 268153

Ion Ratio Lower Upper

156 100

77 151.6 75.6 226.9

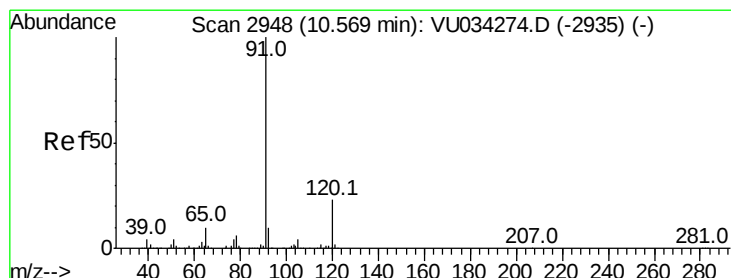
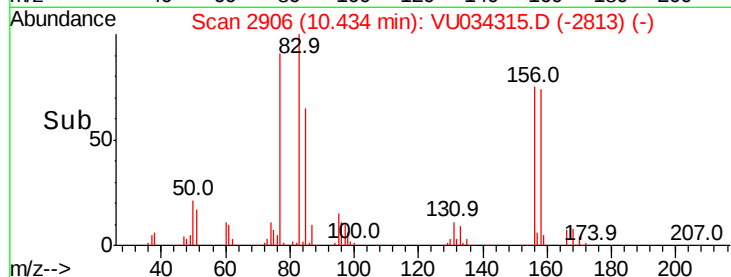
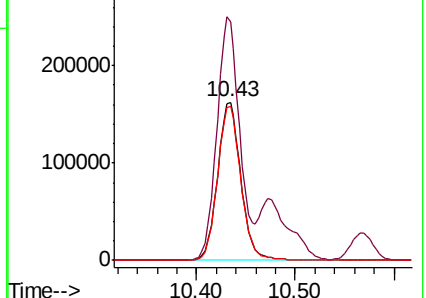
158 97.8 48.2 144.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.412 ug/l

RT: 10.57 min Scan# 2948

Delta R.T. 0.00 min

Lab File: VU034315.D

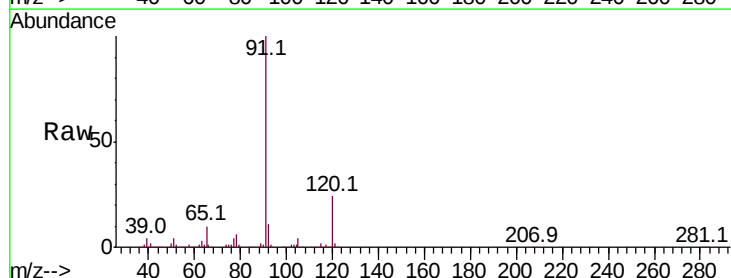
Acq: 06 Sep 2019 08:52

Tgt Ion: 91 Resp: 1175934

Ion Ratio Lower Upper

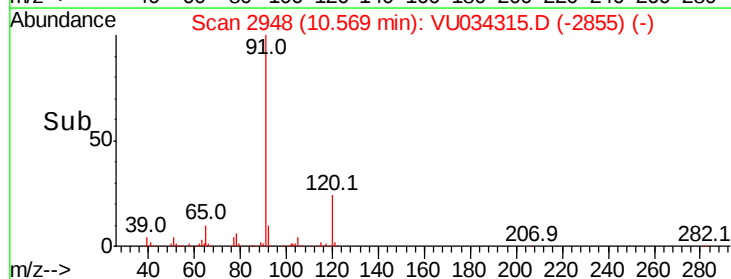
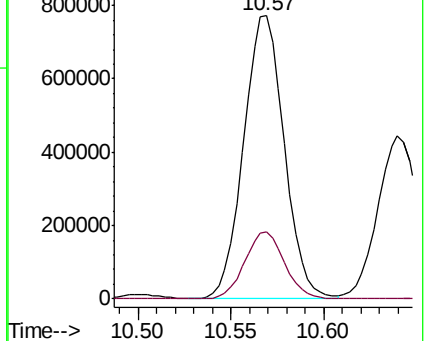
91 100

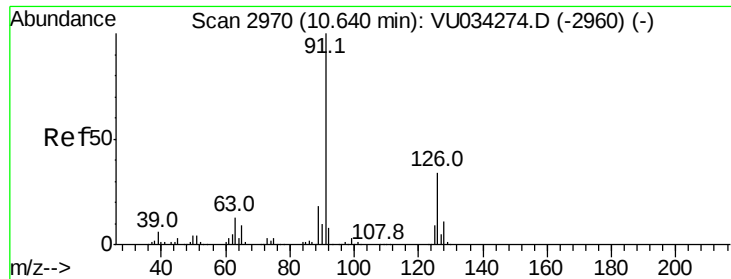
120 23.4 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.323 ug/l

RT: 10.64 min Scan# 2970

Delta R.T. 0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

Instrument :

MSVOA_U

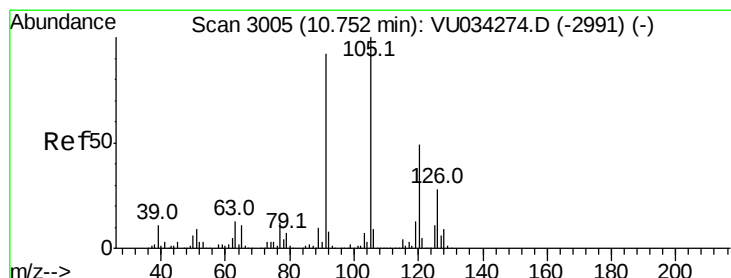
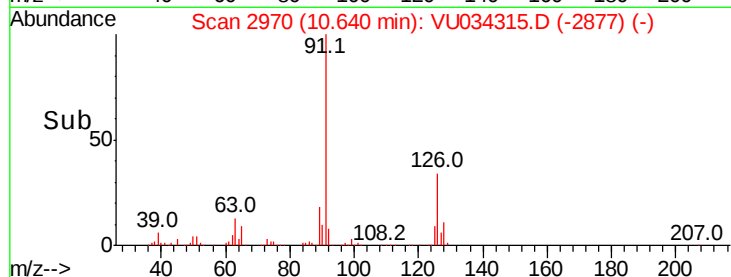
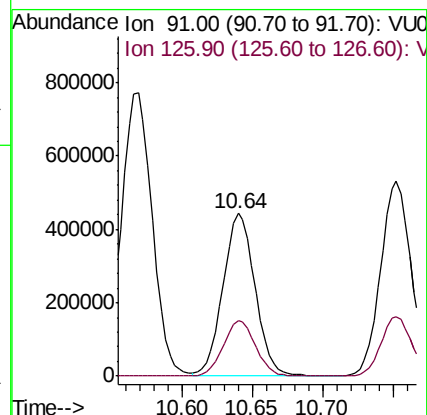
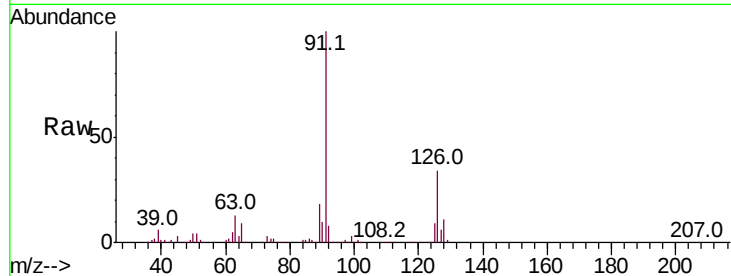
ClientSampleId :

Tot Ion: 91 Resp: 702882

Ion Ratio Lower Upper

91 100

126 34.4 17.3 51.9



#80

1,3,5-Trimethylbenzene

Concen: 55.212 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VU034315.D

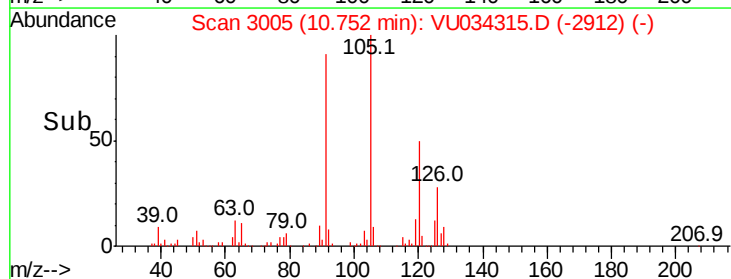
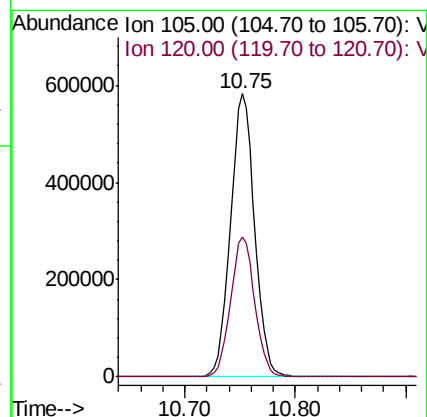
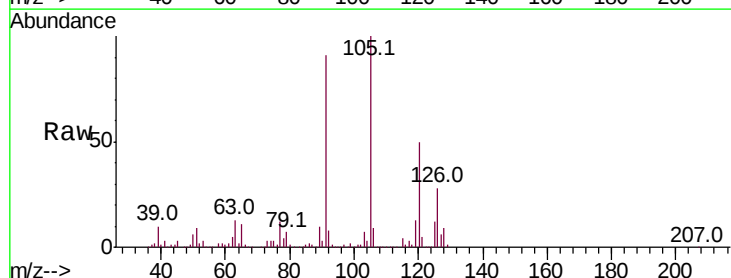
Acq: 06 Sep 2019 08:52

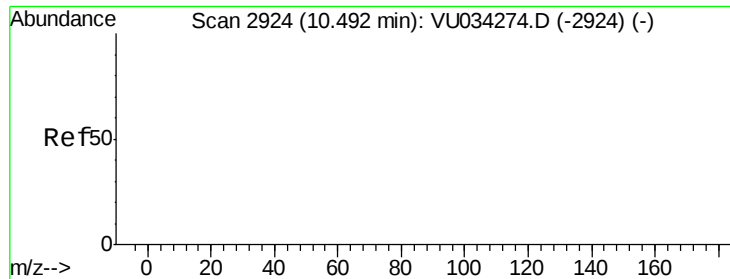
Tgt Ion: 105 Resp: 880278

Ion Ratio Lower Upper

105 100

120 49.8 24.9 74.7

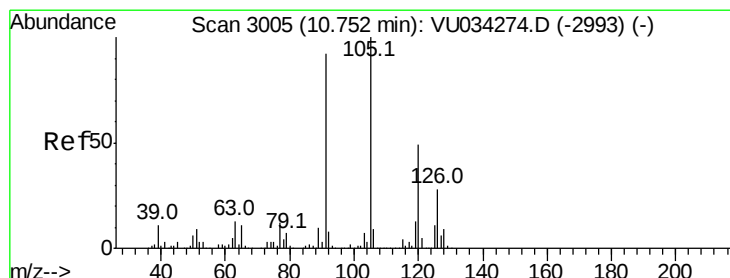
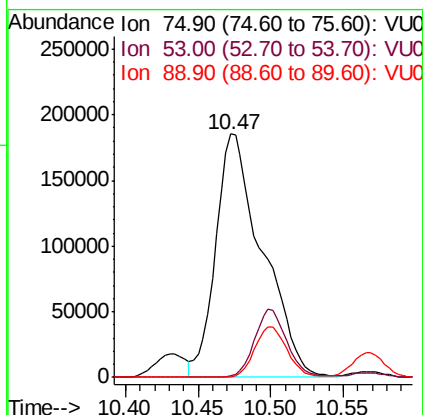
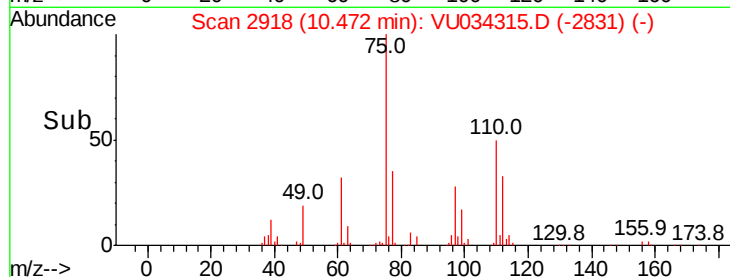
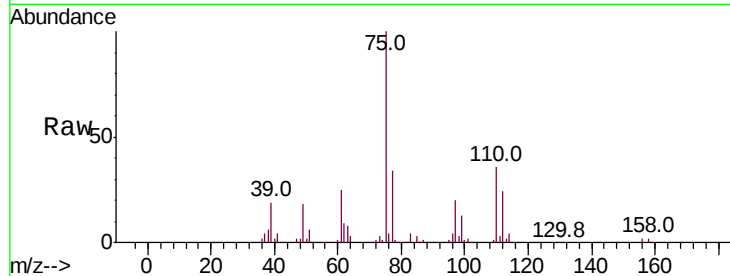




#81
trans-1,4-Dichloro-2-butene
Concen: 218.336 ug/l
RT: 10.47 min Scan# 2918
Delta R.T. -0.02 min
Lab File: VU034315.D
Acq: 06 Sep 2019 08:52

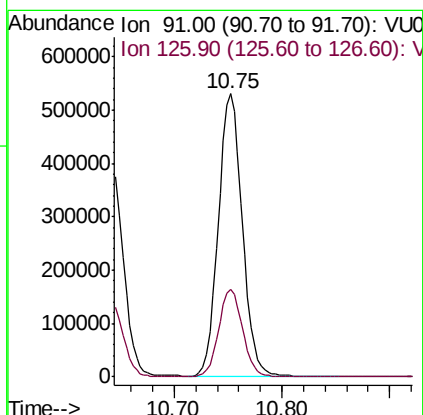
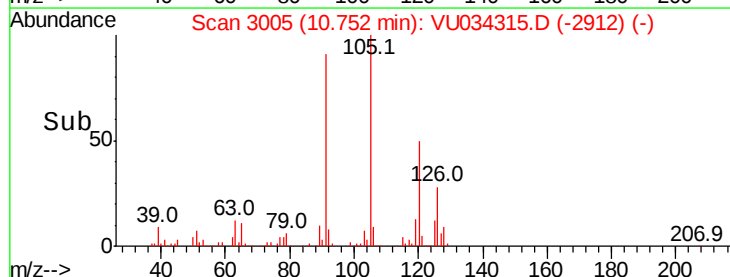
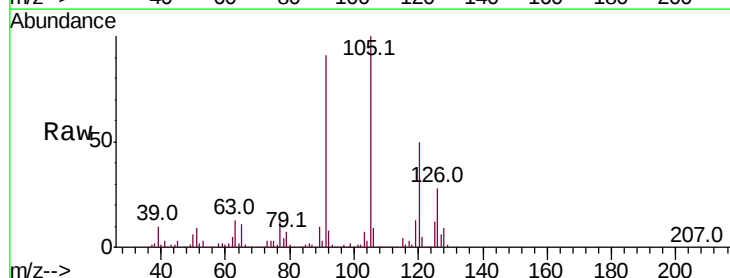
Instrument :
MSVOA_U
ClientSampled :

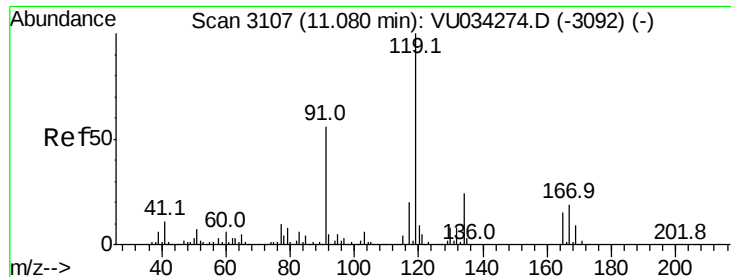
Tot Ion: 75 Resp: 415140
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 52.831 ug/l
RT: 10.75 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VU034315.D
Acq: 06 Sep 2019 08:52

Tgt Ion: 91 Resp: 816733
Ion Ratio Lower Upper
91 100
126 30.8 15.3 45.8

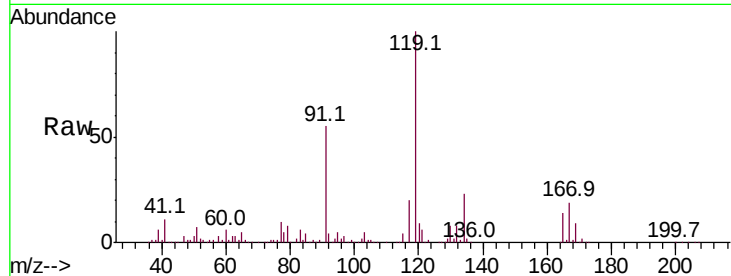




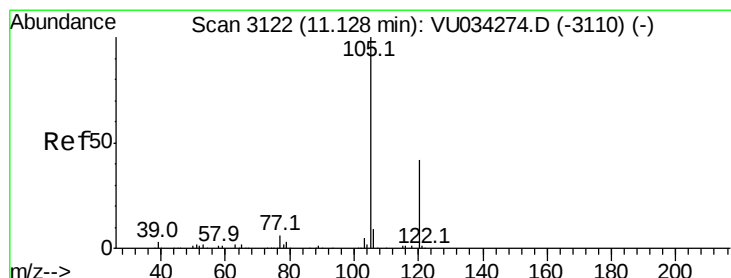
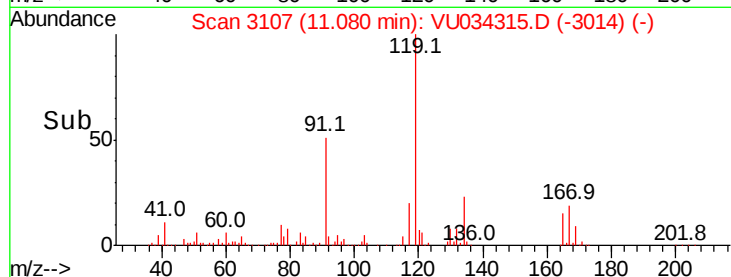
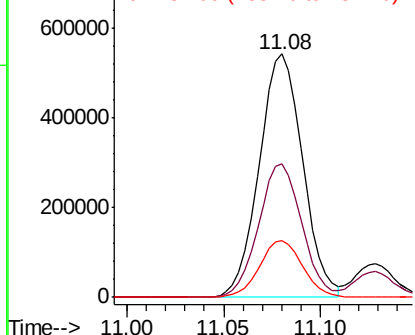
#83
tert-Butylbenzene
Concen: 53.284 ug/l
RT: 11.08 min Scan# 3107
Delta R.T. 0.00 min
Lab File: VU034315.D
Acq: 06 Sep 2019 08:52

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:119 Resp: 849863
Ion Ratio Lower Upper
119 100
91 54.4 27.8 83.4
134 23.0 11.7 35.0

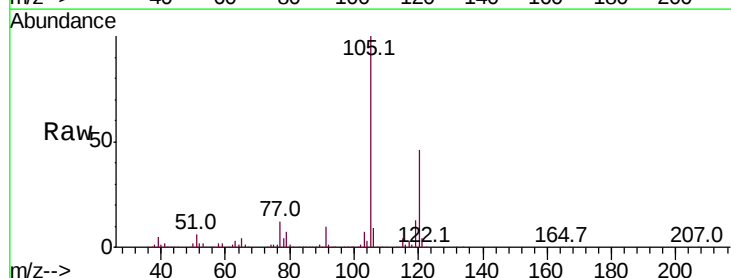


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

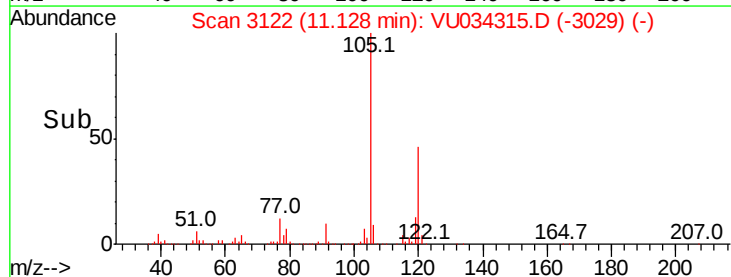
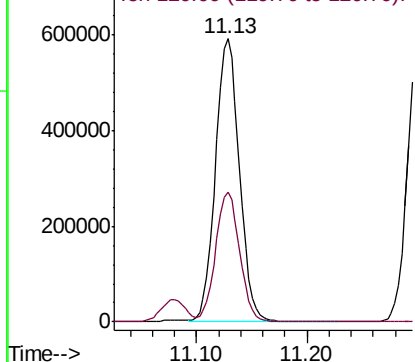


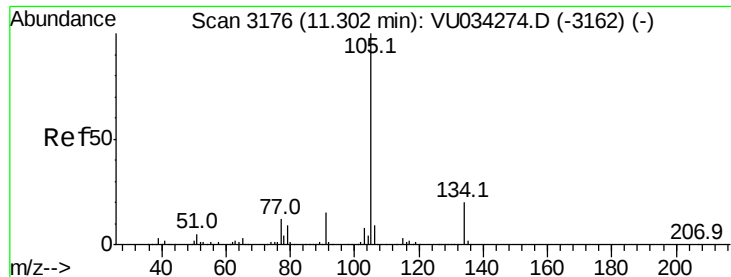
#84
1,2,4-Trimethylbenzene
Concen: 55.233 ug/l
RT: 11.13 min Scan# 3122
Delta R.T. 0.00 min
Lab File: VU034315.D
Acq: 06 Sep 2019 08:52

Tgt Ion:105 Resp: 886439
Ion Ratio Lower Upper
105 100
120 46.3 22.9 68.8



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





#85

sec-Butylbenzene

Concen: 54.286 ug/l

RT: 11.30 min Scan# 3176

Delta R.T. 0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

Instrument :

MSVOA_U

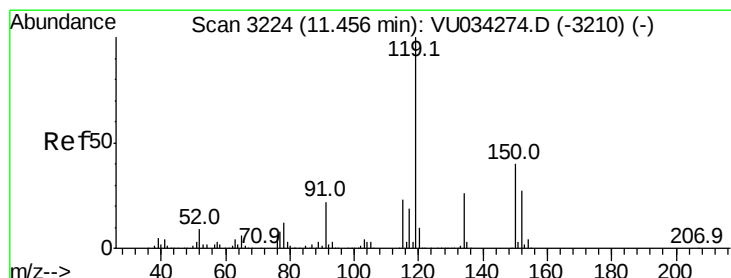
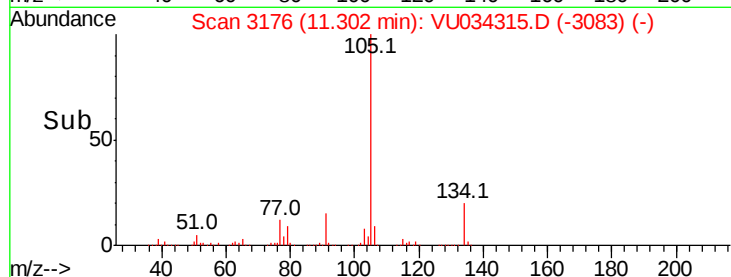
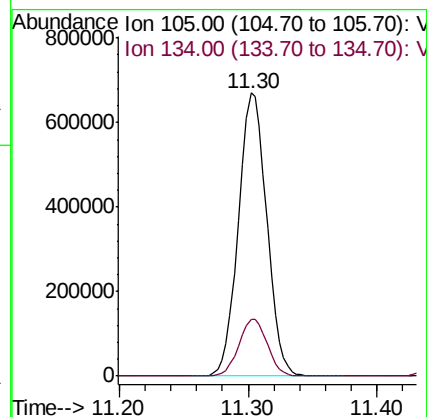
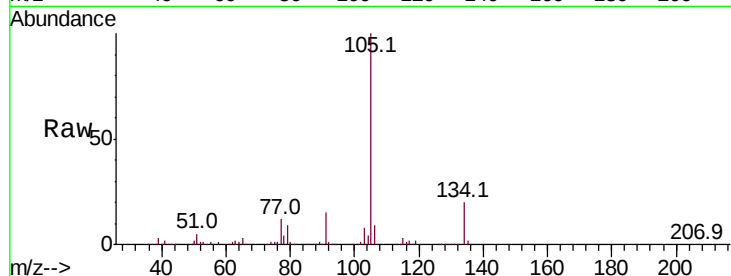
ClientSampleId :

Tot Ion:105 Resp: 1022181

Ion Ratio Lower Upper

105 100

134 20.2 10.1 30.3



#86

p-Isopropyltoluene

Concen: 55.336 ug/l

RT: 11.46 min Scan# 3224

Delta R.T. 0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

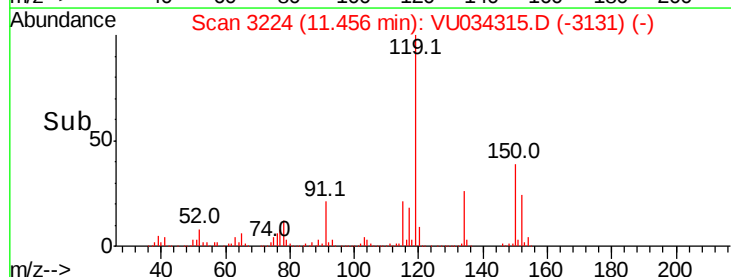
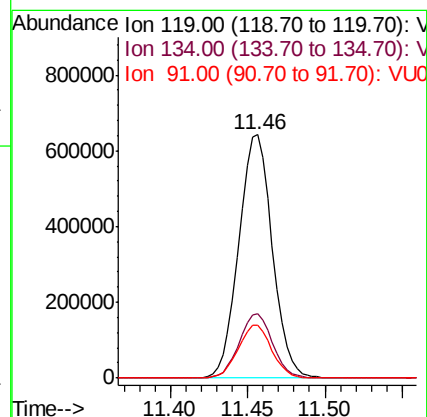
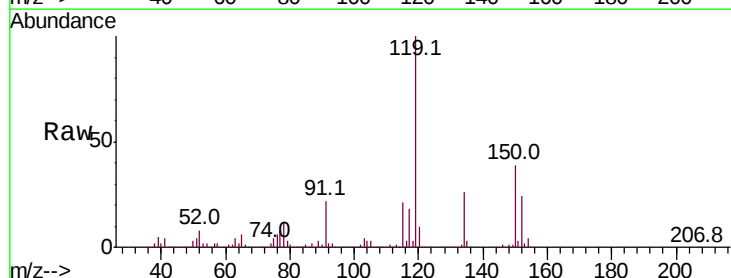
Tgt Ion:119 Resp: 961714

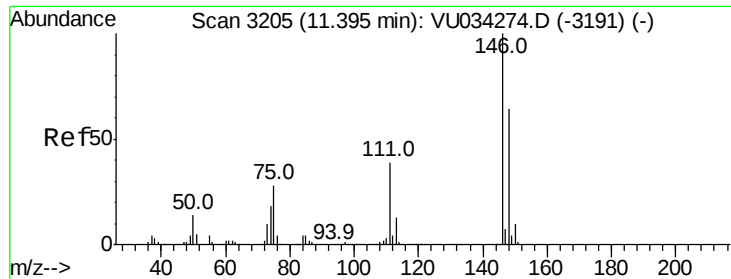
Ion Ratio Lower Upper

119 100

134 26.2 13.3 39.8

91 21.6 11.2 33.6

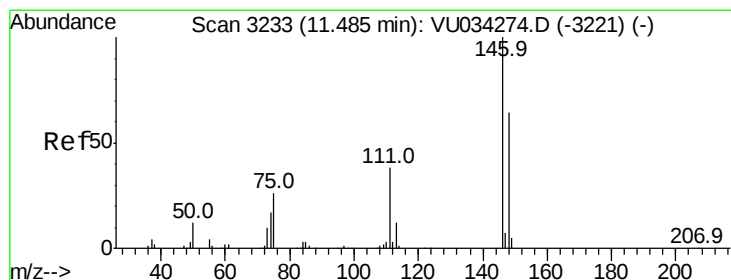
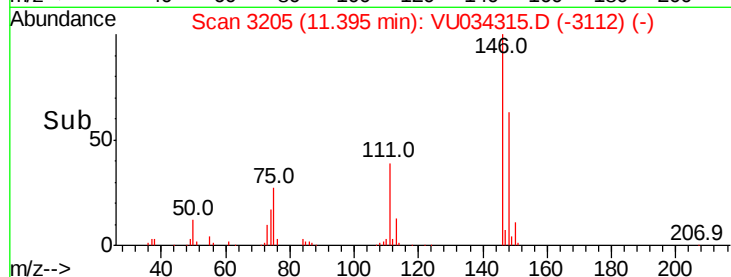
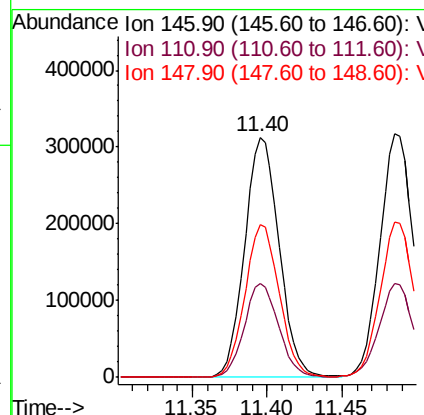
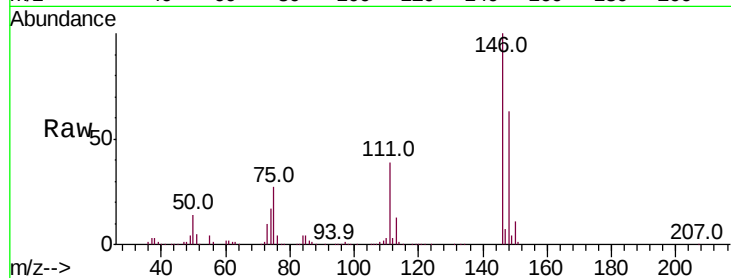




#87
 1,3-Dichlorobenzene
 Concen: 51.722 ug/l
 RT: 11.40 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU034315.D
 Acq: 06 Sep 2019 08:52

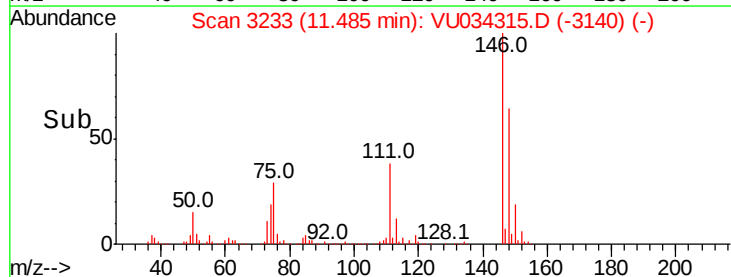
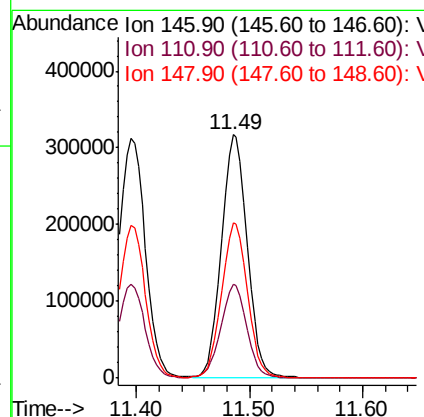
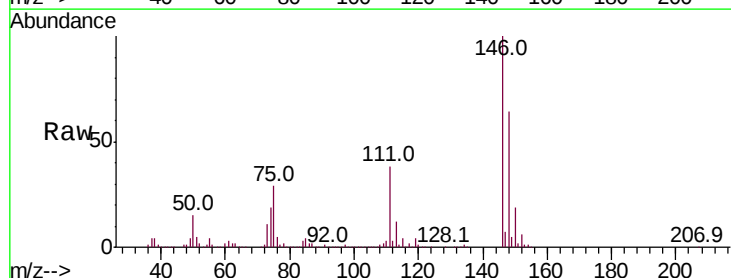
Instrument :
 MSVOA_U
 ClientSampleId :

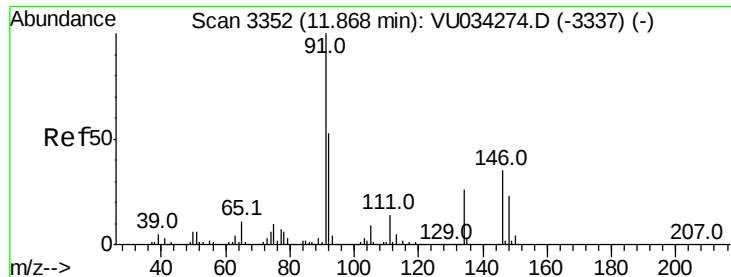
Tot Ion:146 Resp: 503092
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.5 58.5
 148 63.2 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 49.486 ug/l
 RT: 11.49 min Scan# 3233
 Delta R.T. 0.00 min
 Lab File: VU034315.D
 Acq: 06 Sep 2019 08:52

Tgt Ion:146 Resp: 502052
 Ion Ratio Lower Upper
 146 100
 111 38.5 19.1 57.3
 148 63.9 32.0 96.0





#89

n-Butylbenzene

Concen: 56.845 ug/l

RT: 11.87 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

Instrument :

MSVOA_U

ClientSampleId :

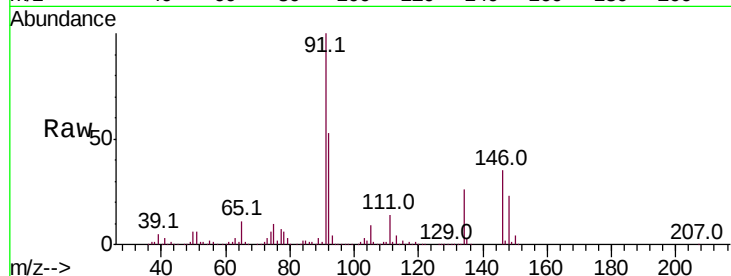
Tot Ion: 91 Resp: 858538

Ion Ratio Lower Upper

91 100

92 52.9 26.5 79.4

134 26.4 13.2 39.6

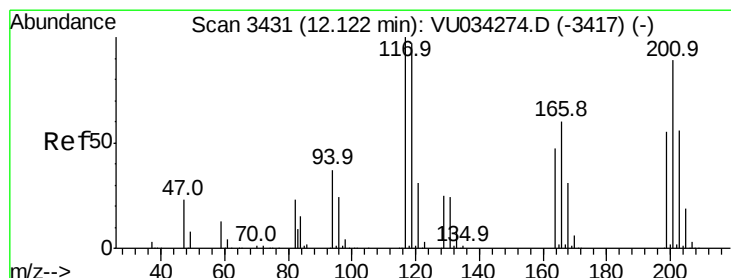
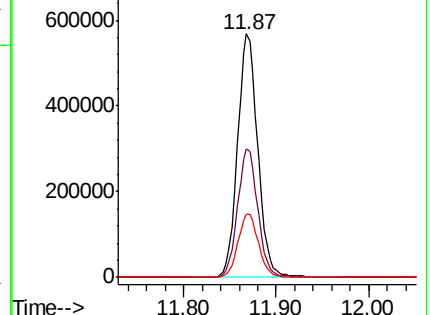
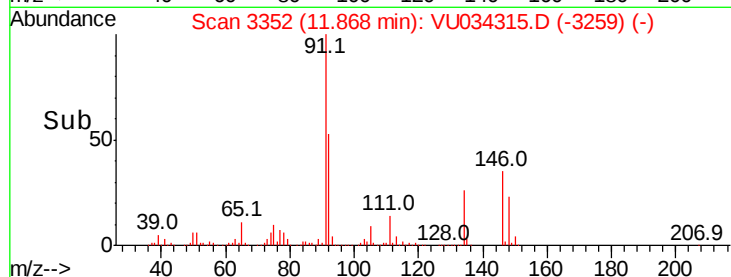


Abundance Ion 91.00 (90.70 to 91.70): VU034274.D (-3337) (-)

Ion 92.00 (91.70 to 92.70): VU034274.D (-3337) (-)

Ion 134.00 (133.70 to 134.70): VU034274.D (-3337) (-)

Time-->



#90

Hexachloroethane

Concen: 51.852 ug/l

RT: 12.12 min Scan# 3431

Delta R.T. 0.00 min

Lab File: VU034315.D

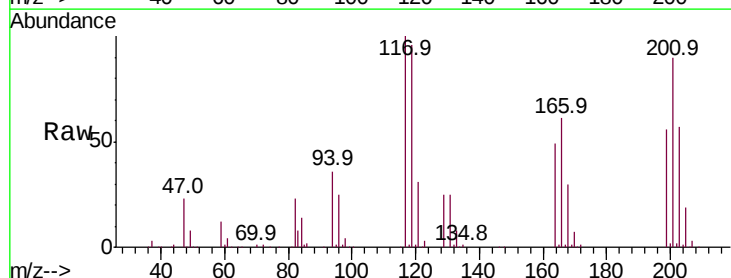
Acq: 06 Sep 2019 08:52

Tgt Ion: 117 Resp: 144176

Ion Ratio Lower Upper

117 100

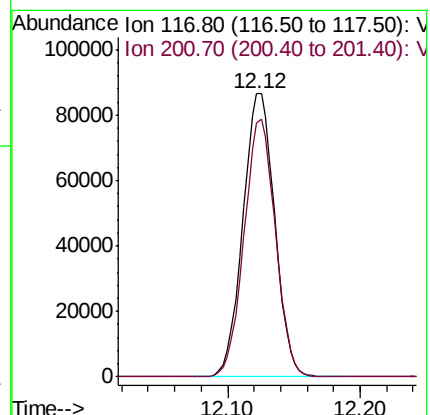
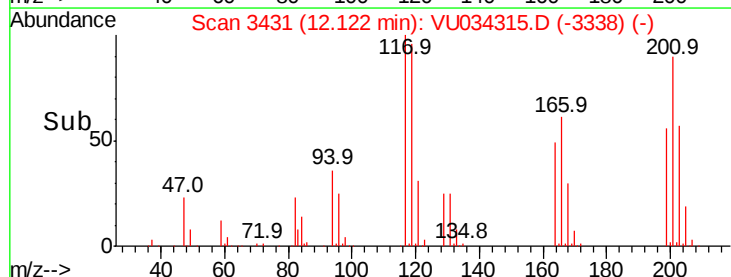
201 89.5 44.1 132.4

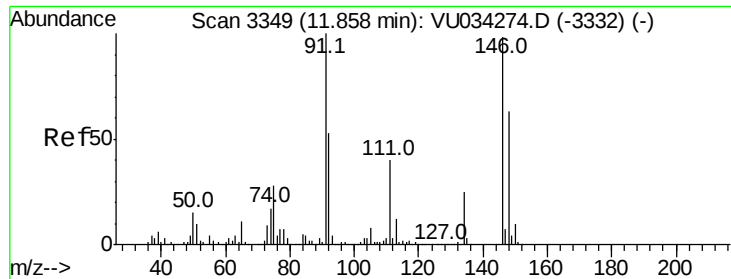


Abundance Ion 116.80 (116.50 to 117.50): VU034274.D (-3417) (-)

Ion 200.70 (200.40 to 201.40): VU034274.D (-3417) (-)

Time-->

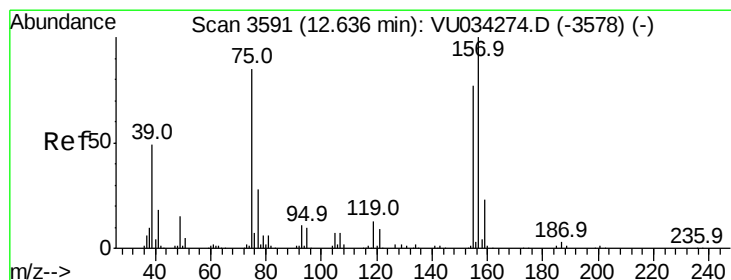
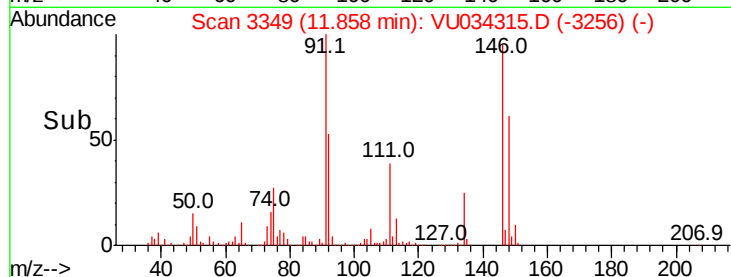
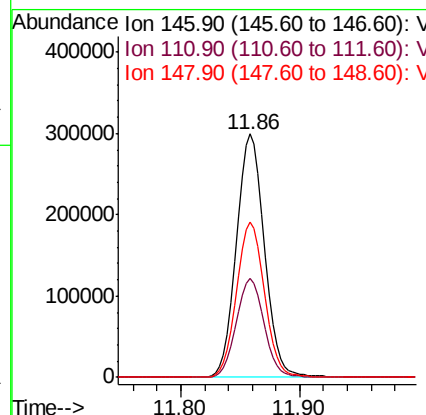
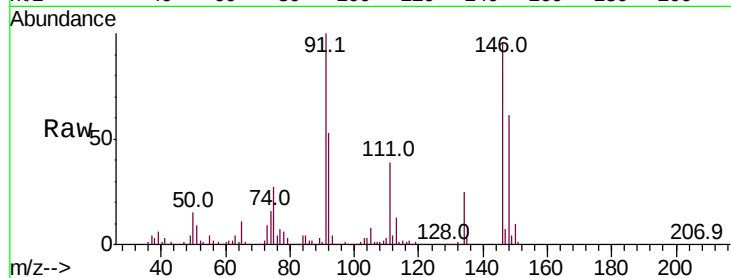




#91
 1,2-Dichlorobenzene
 Concen: 51.037 ug/l
 RT: 11.86 min Scan# 3349
 Delta R.T. 0.00 min
 Lab File: VU034315.D
 Acq: 06 Sep 2019 08:52

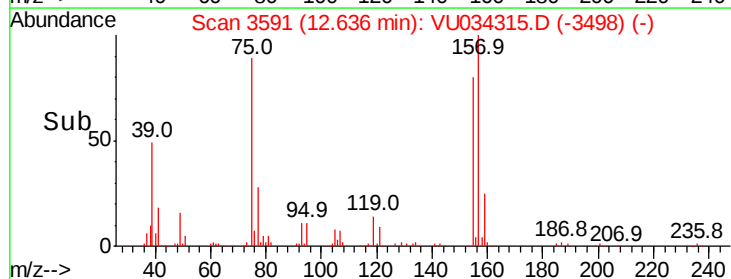
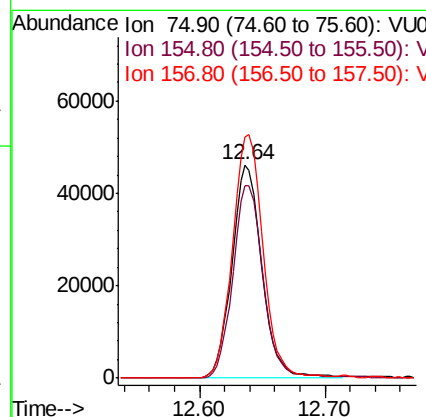
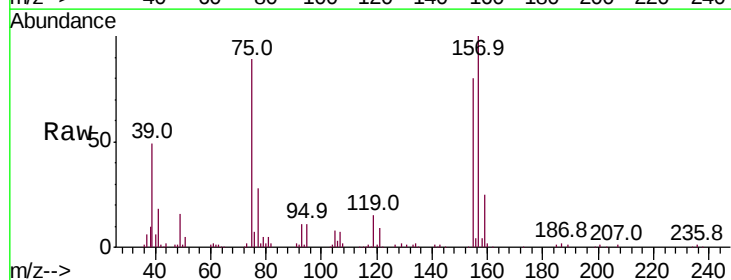
Instrument :
 MSVOA_U
 ClientSampleId :

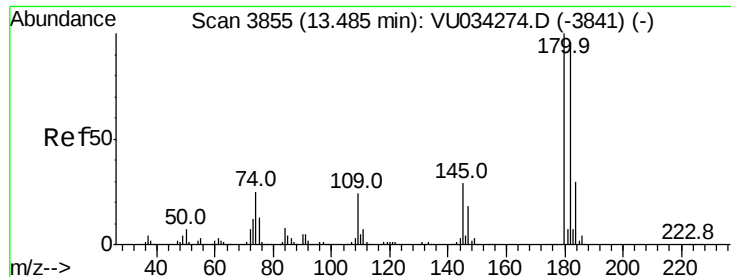
Tot Ion:146 Resp: 487875
 Ion Ratio Lower Upper
 146 100
 111 40.7 20.0 60.0
 148 64.1 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.980 ug/l
 RT: 12.64 min Scan# 3591
 Delta R.T. 0.00 min
 Lab File: VU034315.D
 Acq: 06 Sep 2019 08:52

Tgt Ion: 75 Resp: 76541
 Ion Ratio Lower Upper
 75 100
 155 91.6 44.6 134.0
 157 116.7 58.2 174.6

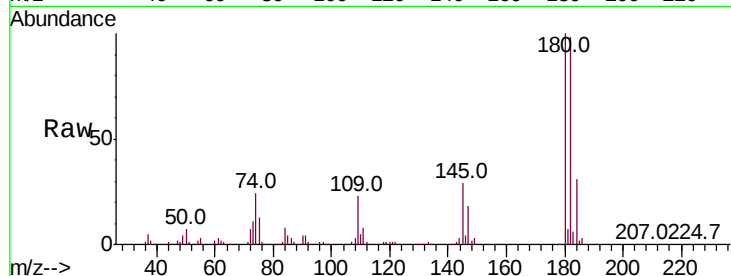




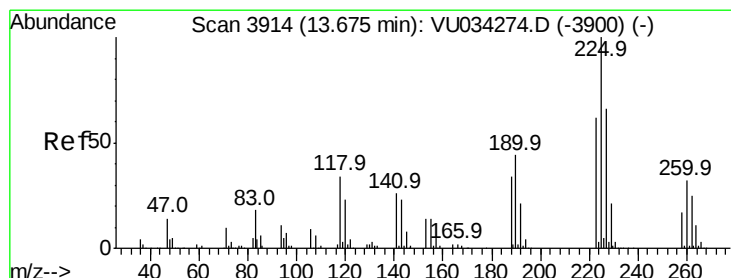
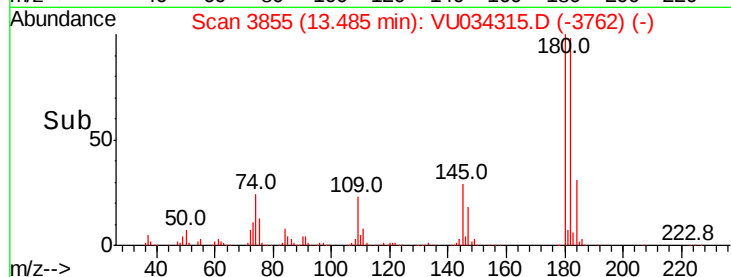
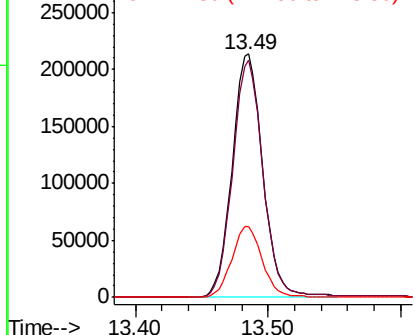
#93
 1,2,4-Trichlorobenzene
 Concen: 49.583 ug/l
 RT: 13.49 min Scan# 3855
 Delta R.T. 0.00 min
 Lab File: VU034315.D
 Acq: 06 Sep 2019 08:52

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.9	143.8
145	29.1	14.4	43.0

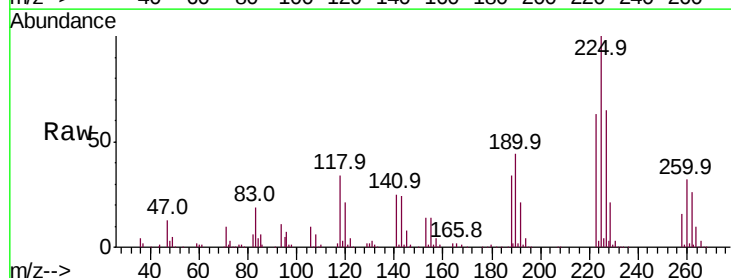


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

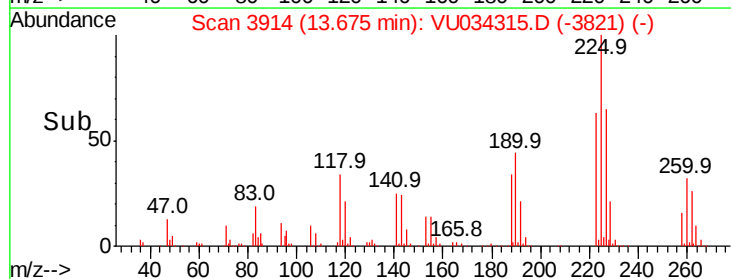
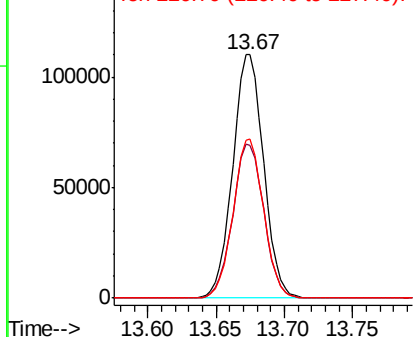


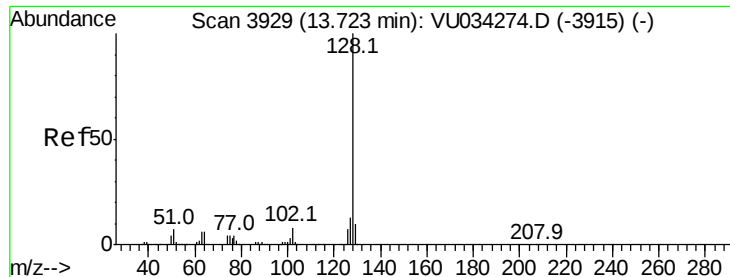
#94
 Hexachlorobutadiene
 Concen: 51.733 ug/l
 RT: 13.67 min Scan# 3914
 Delta R.T. 0.00 min
 Lab File: VU034315.D
 Acq: 06 Sep 2019 08:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	31.6	94.7
227	64.3	32.3	96.8



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 47.387 ug/l

RT: 13.72 min Scan# 3929

Delta R.T. 0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

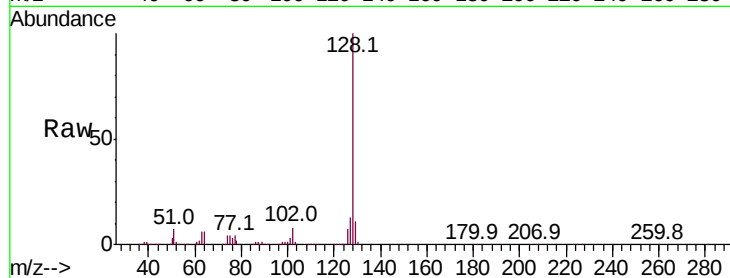
Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:128 Resp: 920757

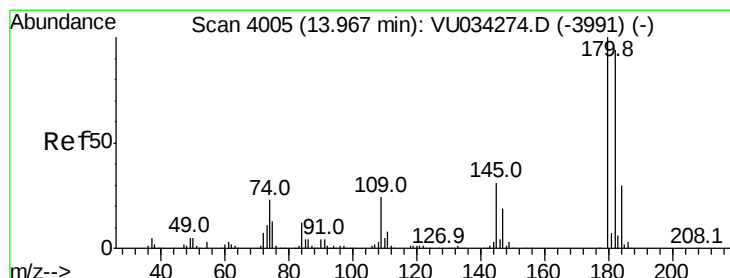
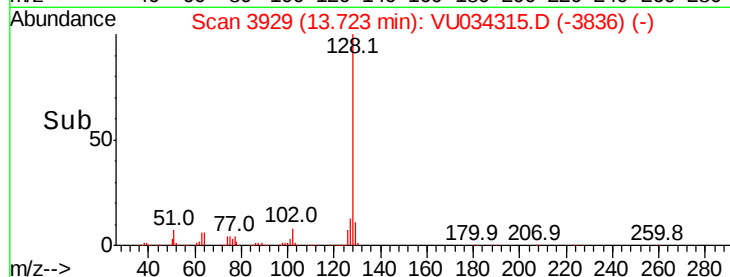
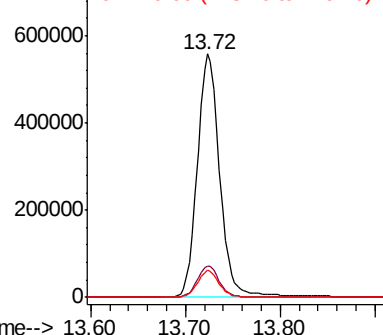
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	15.8
129	10.4	8.4	12.6



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



#96

1,2,3-Trichlorobenzene

Concen: 49.792 ug/l

RT: 13.97 min Scan# 4005

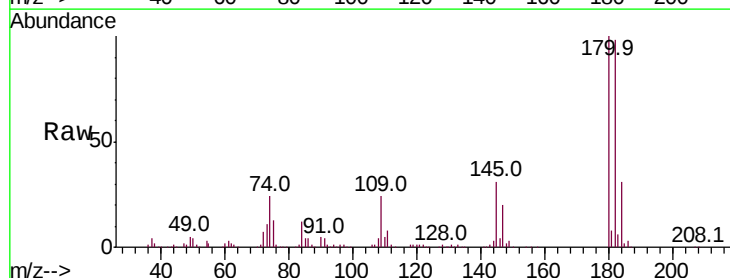
Delta R.T. 0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

Tgt Ion:180 Resp: 333348

Ion	Ratio	Lower	Upper
180	100		
182	96.7	48.4	145.0
145	30.6	15.4	46.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

