

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091219\
 Data File : VU034525.D
 Acq On : 12 Sep 2019 17:14
 Operator : JC/SP
 Sample : VN0912WBS04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBS04

Quant Time: Sep 13 07:11:26 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	255589	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	370586	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	362691	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	242502	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	197734	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
35) Dibromofluoromethane	4.86	113	177172	51.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.76%	
50) Toluene-d8	7.54	98	652609	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	
62) 4-Bromofluorobenzene	10.29	95	247543	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	49140	18.383	ug/l	98
3) Chloromethane	1.32	50	58846	20.326	ug/l	99
4) Vinyl Chloride	1.40	62	60444	18.146	ug/l	100
5) Bromomethane	1.62	94	39744	21.046	ug/l	98
6) Chloroethane	1.69	64	40699	20.429	ug/l	100
7) Trichlorofluoromethane	1.88	101	89833	20.114	ug/l	96
8) Diethyl Ether	2.09	74	40498	20.614	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.28	101	61208	20.691	ug/l	98
10) Methyl Iodide	2.40	142	41678	18.062	ug/l	100
11) Tert butyl alcohol	2.81	59	96881	118.583	ug/l	97
12) 1,1-Dichloroethene	2.27	96	54207	19.493	ug/l	99
13) Acrolein	2.18	56	31328	45.623	ug/l	100
14) Allyl chloride	2.58	41	92770	17.450	ug/l	93
15) Acrylonitrile	2.92	53	223572	109.891	ug/l	99
16) Acetone	2.31	43	208764	104.318	ug/l	99
17) Carbon Disulfide	2.47	76	102864	16.458	ug/l	100
18) Methyl Acetate	2.60	43	100330	20.604	ug/l	98
19) Methyl tert-butyl Ether	2.98	73	219307	21.637	ug/l	99
20) Methylene Chloride	2.69	84	71625	21.624	ug/l	98
21) trans-1,2-Dichloroethene	2.97	96	57612	19.660	ug/l	99
22) Diisopropyl ether	3.55	45	225666	21.766	ug/l	94
23) Vinyl Acetate	3.50	43	901473	106.744	ug/l	99
24) 1,1-Dichloroethane	3.43	63	125896	20.333	ug/l	99
25) 2-Butanone	4.24	43	289278	108.288	ug/l	99
26) 2,2-Dichloropropane	4.20	77	105389	21.164	ug/l	99
27) cis-1,2-Dichloroethene	4.21	96	75665	21.260	ug/l	98
28) Bromochloromethane	4.53	49	59338	20.836	ug/l	98
29) Tetrahydrofuran	4.62	42	176061	108.309	ug/l	99
30) Chloroform	4.65	83	130632	20.757	ug/l	99
31) Cyclohexane	4.97	56	86667	19.133	ug/l	98
32) 1,1,1-Trichloroethane	4.89	97	106603	21.186	ug/l	99
36) 1,1-Dichloropropene	5.12	75	79748	19.842	ug/l	99
37) Ethyl Acetate	4.36	43	101831	21.430	ug/l	100
38) Carbon Tetrachloride	5.11	117	88744	20.680	ug/l	98

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Quant Time: Sep 13 07:11:26 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)
39) Methylcyclohexane	6.40	83	80992	18.851	ug/l	98
40) Benzene	5.37	78	269041	20.746	ug/l	100
41) Methacrylonitrile	4.52	41	54609	21.575	ug/l	98
42) 1,2-Dichloroethane	5.38	62	94046	20.887	ug/l	100
43) Isopropyl Acetate	5.53	43	155228	20.941	ug/l	99
44) Trichloroethene	6.17	130	75097	20.926	ug/l	98
45) 1,2-Dichloropropane	6.41	63	79687	21.019	ug/l	100
46) Dibromomethane	6.54	93	50383	21.171	ug/l	98
47) Bromodichloromethane	6.74	83	104035	21.238	ug/l	99
48) Methyl methacrylate	6.60	41	70874	20.130	ug/l	98
49) 1,4-Dioxane	6.59	88	32781	426.387	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	548199	106.838	ug/l	100
52) Toluene	7.62	92	170785	20.993	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	105125	20.702	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	117718	21.122	ug/l	99
55) 1,1,2-Trichloroethane	8.05	97	79961	21.646	ug/l	99
56) Ethyl methacrylate	8.00	69	106814	20.938	ug/l	99
57) 1,3-Dichloropropane	8.22	76	127330	21.168	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.11	63	155945	93.288	ug/l	100
59) 2-Hexanone	8.34	43	415268	108.334	ug/l	100
60) Dibromochloromethane	8.45	129	86314	21.785	ug/l	99
61) 1,2-Dibromoethane	8.57	107	75944	21.005	ug/l	98
64) Tetrachloroethene	8.21	164	66049	20.991	ug/l	98
65) Chlorobenzene	9.10	112	197924	21.510	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	76866	21.889	ug/l	100
67) Ethyl Benzene	9.23	91	315168	20.948	ug/l	99
68) m/p-Xylenes	9.35	106	243907	43.052	ug/l	99
69) o-Xylene	9.76	106	120685	21.782	ug/l	100
70) Styrene	9.77	104	214334	22.064	ug/l	99
71) Bromoform	9.94	173	66139	21.732	ug/l #	99
73) Isopropylbenzene	10.14	105	332259	21.054	ug/l	100
74) N-amyl acetate	9.99	43	133613	21.033	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.43	83	134563	21.065	ug/l	98
76) 1,2,3-Trichloropropane	10.47	75	144212	27.244	ug/l	86
77) Bromobenzene	10.43	156	92694	21.006	ug/l	98
78) n-propylbenzene	10.57	91	382691	20.997	ug/l	100
79) 2-Chlorotoluene	10.64	91	234401	21.078	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	286633	21.717	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.47	75	145240	92.272	ug/l #	100
82) 4-Chlorotoluene	10.75	91	267483	20.901	ug/l	98
83) tert-Butylbenzene	11.08	119	272631	20.648	ug/l	99
84) 1,2,4-Trimethylbenzene	11.12	105	286471	21.562	ug/l	100
85) sec-Butylbenzene	11.30	105	331610	21.274	ug/l	100
86) p-Isopropyltoluene	11.45	119	306523	21.305	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	167356	20.784	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	172368	20.523	ug/l	99
89) n-Butylbenzene	11.87	91	255596	20.443	ug/l	99
90) Hexachloroethane	12.12	117	47830	20.779	ug/l	99
91) 1,2-Dichlorobenzene	11.85	146	166504	21.040	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	25111	21.392	ug/l	97

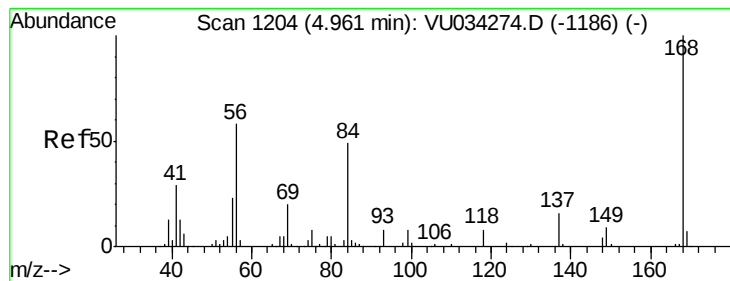
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU091219\
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Quant Time: Sep 13 07:11:26 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 06 05:10:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	101191	19.866	ug/l	99
94) Hexachlorobutadiene	13.67	225	52188	18.853	ug/l	99
95) Naphthalene	13.72	128	263263	18.963	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	102073	20.080	ug/l	99

(#) = 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: VU034525.D

Acq: 12 Sep 2019 17:14

Instrument :

MSVOA_U

ClientSampleId :

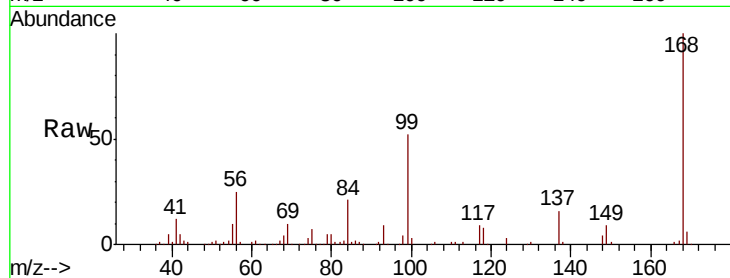
VU0912WBS04

Tgt Ion:168 Resp: 255589

Ion Ratio Lower Upper

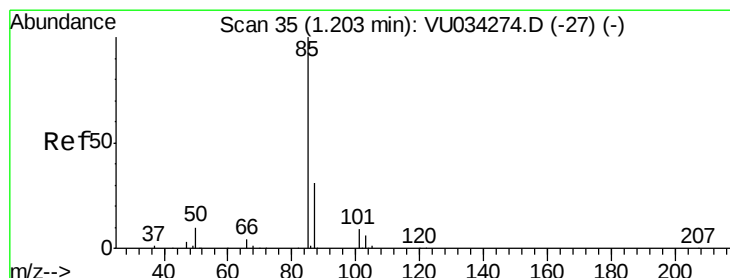
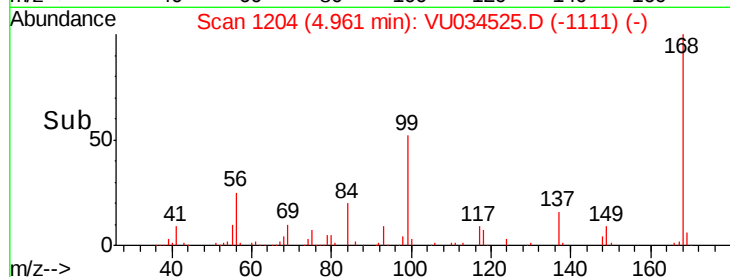
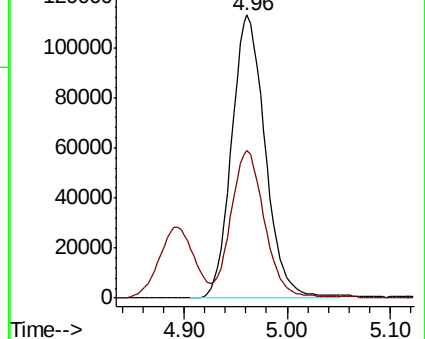
168 100

99 51.6 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) (-)



#2

Dichlorodifluoromethane

Concen: 18.383 ug/l

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU034525.D

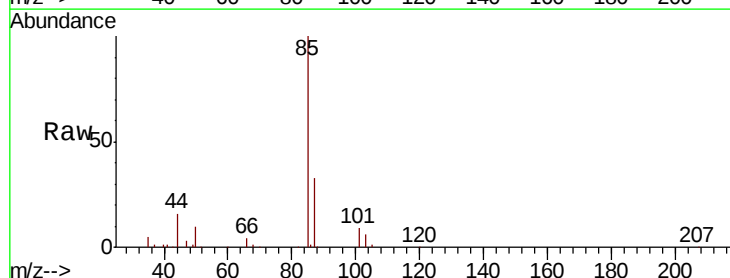
Acq: 12 Sep 2019 17:14

Tgt Ion: 85 Resp: 49140

Ion Ratio Lower Upper

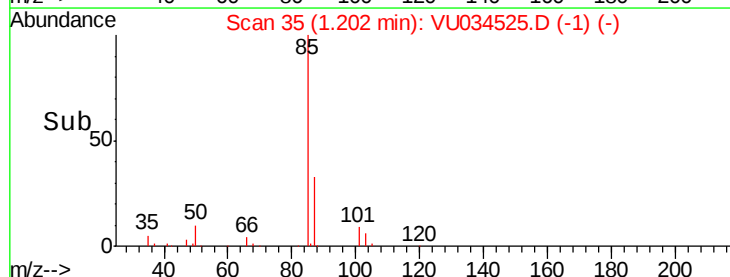
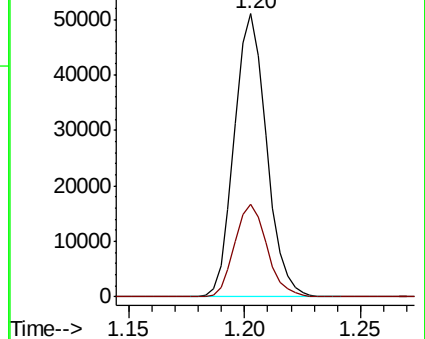
85 100

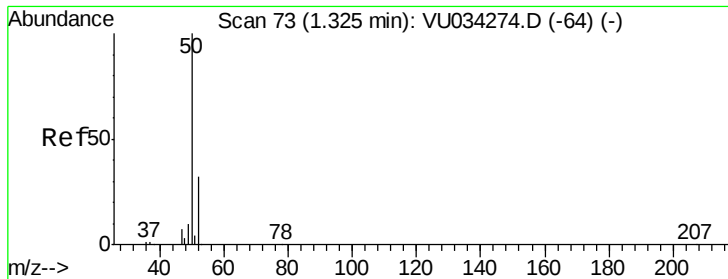
87 32.7 15.7 47.0



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

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





#3

Chloromethane

Concen: 20.326 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034525.D

Acq: 12 Sep 2019 17:14

Instrument :

MSVOA_U

ClientSampleId :

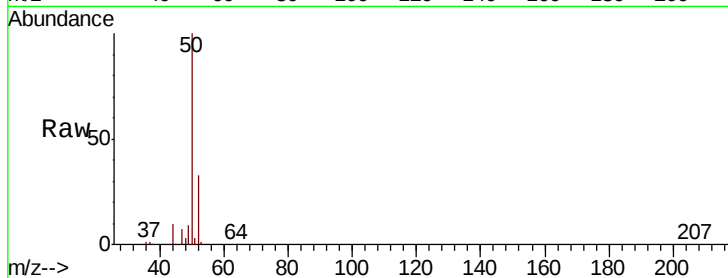
VU0912WBS04

Tgt Ion: 50 Resp: 58846

Ion Ratio Lower Upper

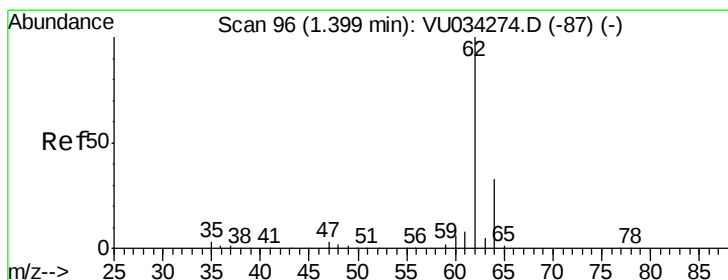
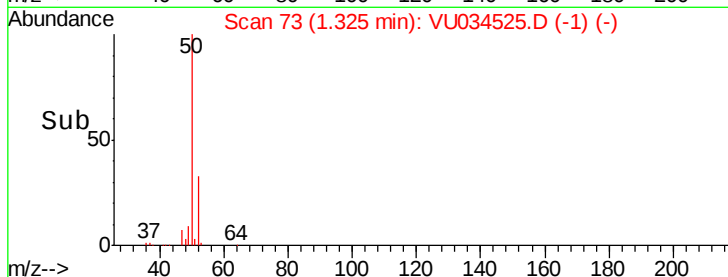
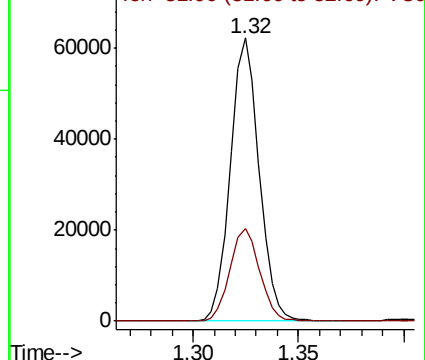
50 100

52 32.5 25.8 38.6



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

Ion 51.90 (51.60 to 52.60): VU034525.D (-1) (-)



#4

Vinyl Chloride

Concen: 18.146 ug/l

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU034525.D

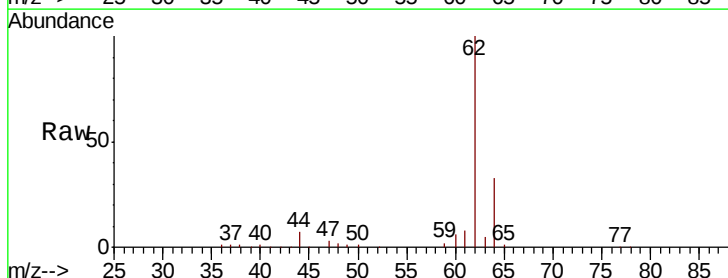
Acq: 12 Sep 2019 17:14

Tgt Ion: 62 Resp: 60444

Ion Ratio Lower Upper

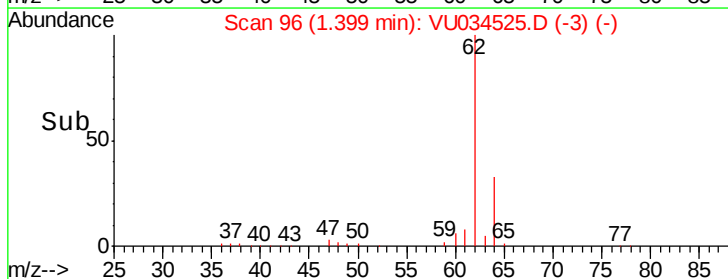
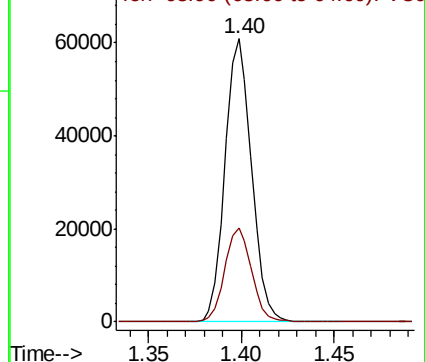
62 100

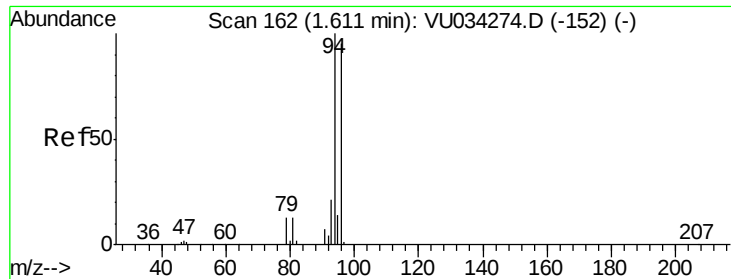
64 32.8 26.2 39.4



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

Ion 63.90 (63.60 to 64.60): VU034525.D (-3) (-)





#5

Bromomethane

Concen: 21.046 ug/l

RT: 1.62 min Scan# 164

Delta R.T. 0.01 min

Lab File: VU034525.D

Acq: 12 Sep 2019 17:14

Instrument :

MSVOA_U

ClientSampleId :

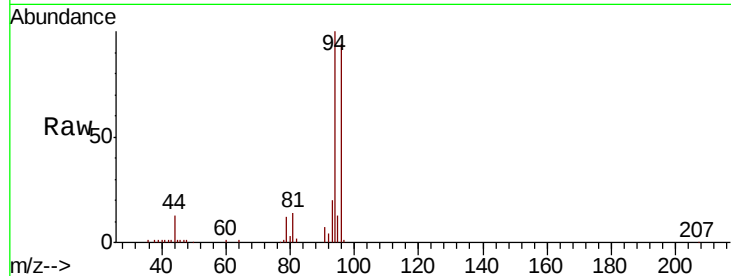
VU0912WBS04

Tgt Ion: 94 Resp: 39744

Ion Ratio Lower Upper

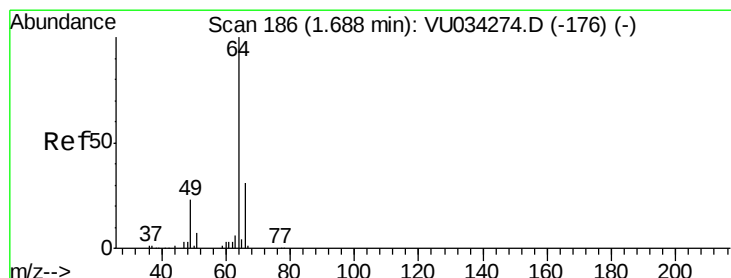
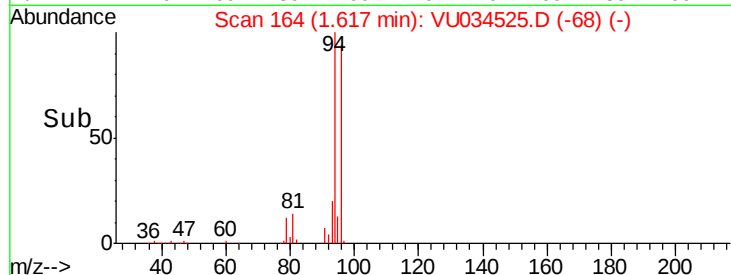
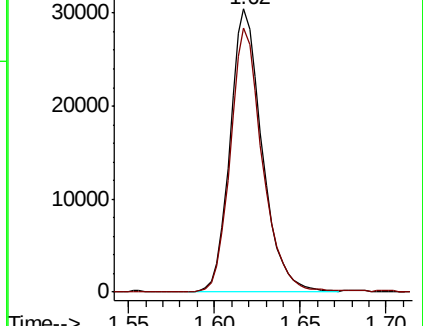
94 100

96 93.1 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VU034274.D (-152) (-)

Ion 95.90 (95.60 to 96.60): VU034525.D (-68) (-)



#6

Chloroethane

Concen: 20.429 ug/l

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU034525.D

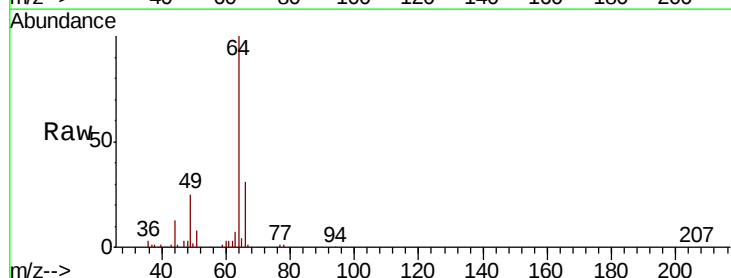
Acq: 12 Sep 2019 17:14

Tgt Ion: 64 Resp: 40699

Ion Ratio Lower Upper

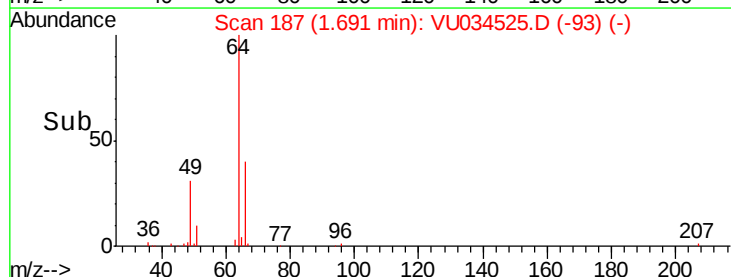
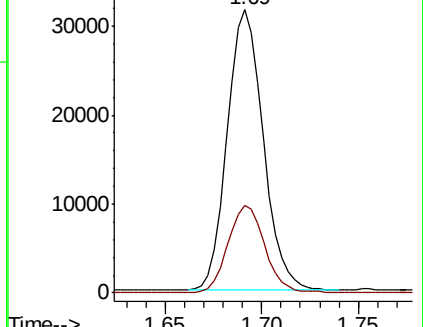
64 100

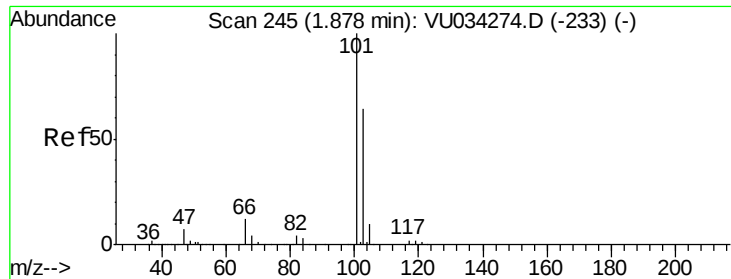
66 31.2 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU034274.D (-176) (-)

Ion 65.90 (65.60 to 66.60): VU034525.D (-93) (-)



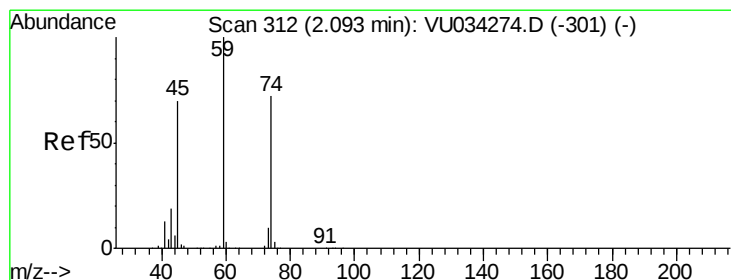
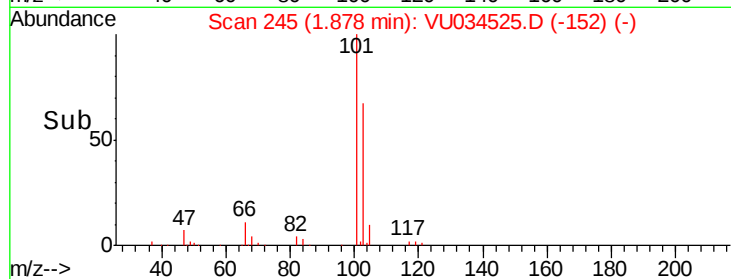
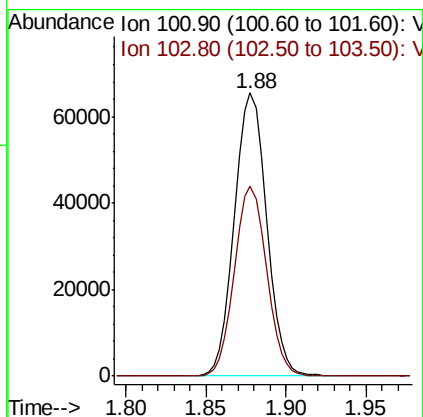
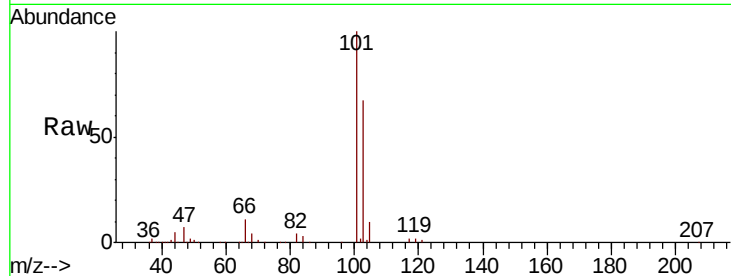


#7

Trichlorofluoromethane
 Concen: 20.114 ug/l
 RT: 1.88 min Scan# 245
 Delta R.T. -0.00 min
 Lab File: VU034525.D
 Acq: 12 Sep 2019 17:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBS04

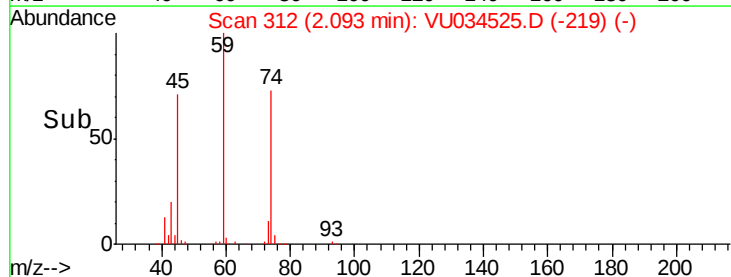
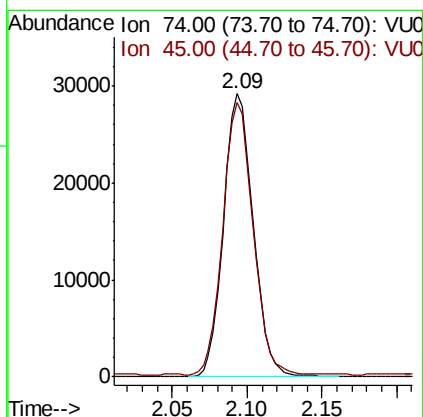
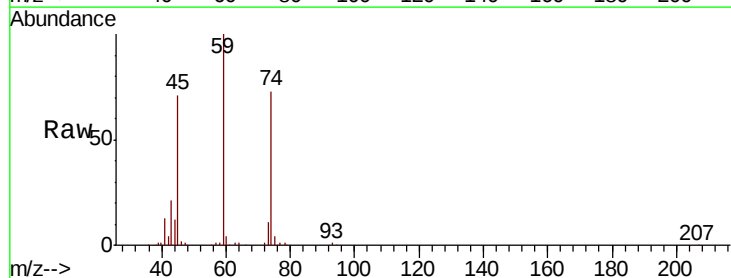
Tgt Ion:101 Resp: 89833
 Ion Ratio Lower Upper
 101 100
 103 67.1 51.0 76.6

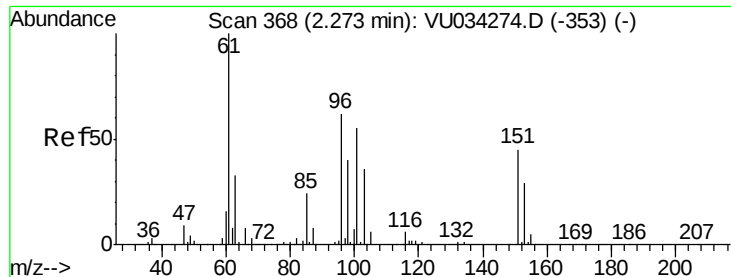


#8

Diethyl Ether
 Concen: 20.614 ug/l
 RT: 2.09 min Scan# 312
 Delta R.T. -0.00 min
 Lab File: VU034525.D
 Acq: 12 Sep 2019 17:14

Tgt Ion: 74 Resp: 40498
 Ion Ratio Lower Upper
 74 100
 45 97.5 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.691 ug/l

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU034525.D

Acq: 12 Sep 2019 17:14

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBS04

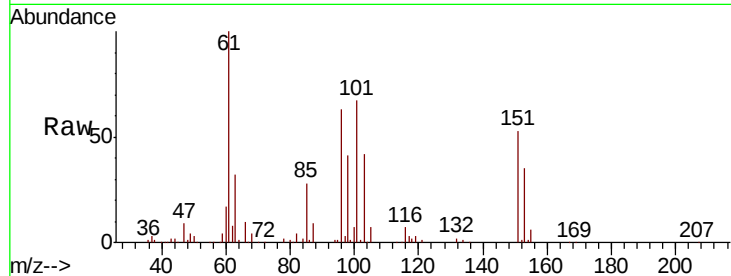
Tgt Ion:101 Resp: 61208

Ion Ratio Lower Upper

101 100

85 41.5 34.4 51.6

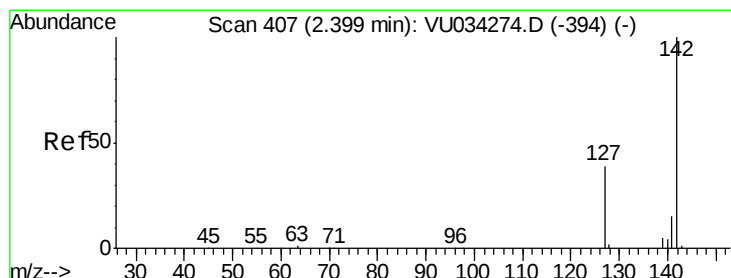
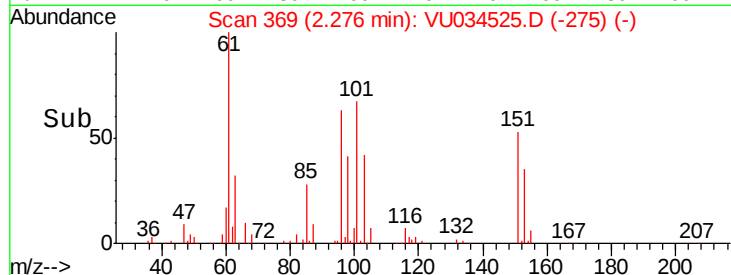
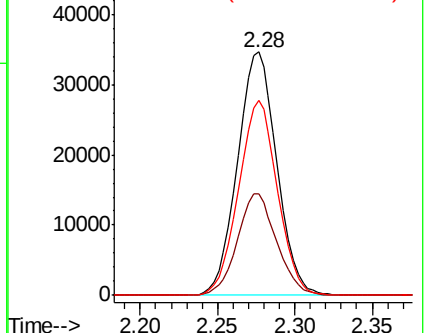
151 79.1 64.4 96.6



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: 18.062 ug/l

RT: 2.40 min Scan# 407

Delta R.T. 0.00 min

Lab File: VU034525.D

Acq: 12 Sep 2019 17:14

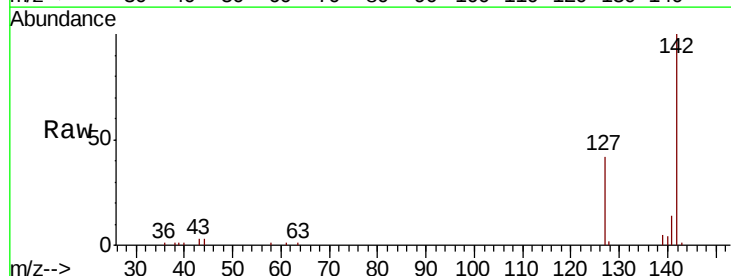
Tgt Ion:142 Resp: 41678

Ion Ratio Lower Upper

142 100

127 40.0 32.1 48.1

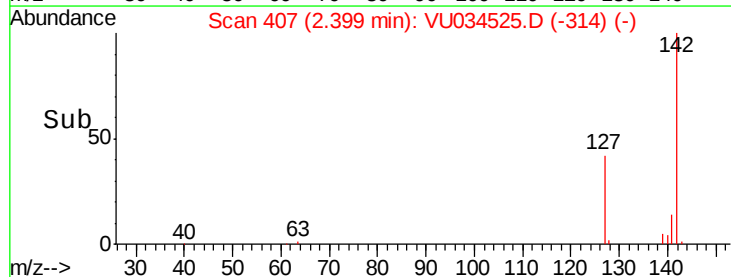
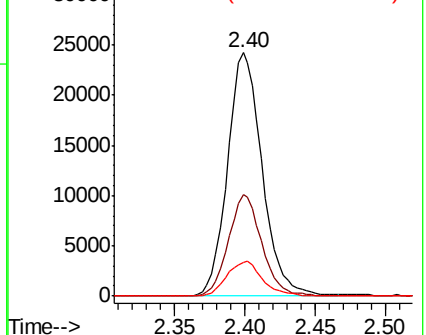
141 14.4 11.5 17.3

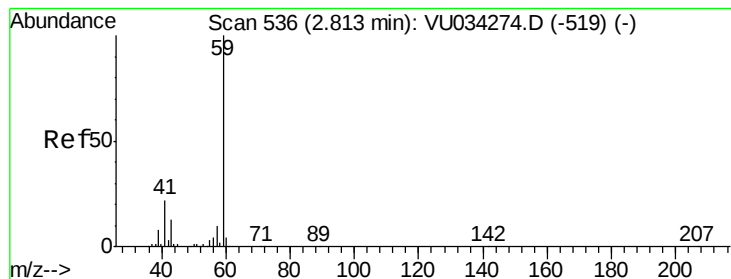


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 118.583 ug/l

RT: 2.81 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU034525.D

Acq: 12 Sep 2019 17:14

Instrument :

MSVOA_U

ClientSampleId :

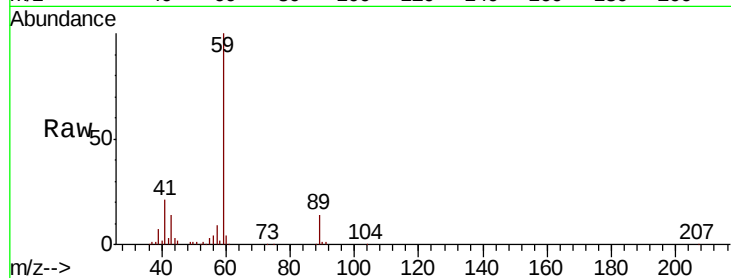
VU0912WBS04

Tgt Ion: 59 Resp: 96881

Ion Ratio Lower Upper

59 100

57 8.9 7.9 11.9



Abundance Ion 59.00 (58.70 to 59.70): VU034274.D (-519) (-)

Ion 57.00 (56.70 to 57.70): VU034274.D (-519) (-)

2.81

40000

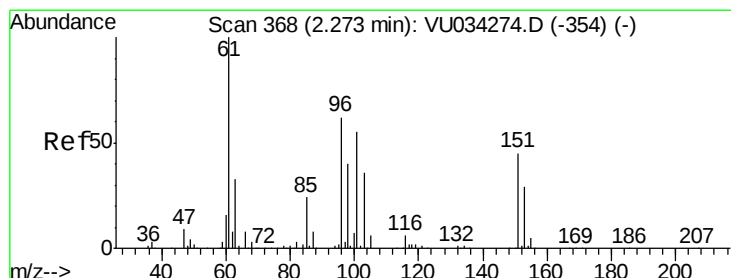
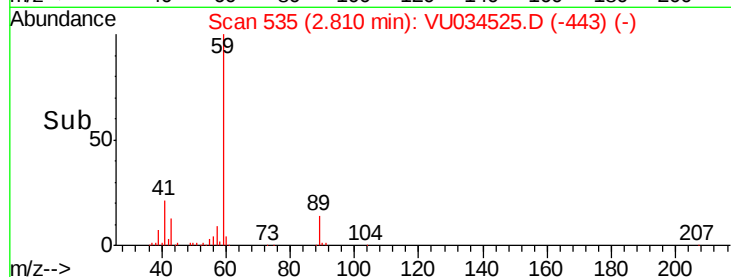
30000

20000

10000

0

Time--> 2.70 2.75 2.80 2.85 2.90



#12

1,1-Dichloroethene

Concen: 19.493 ug/l

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU034525.D

Acq: 12 Sep 2019 17:14

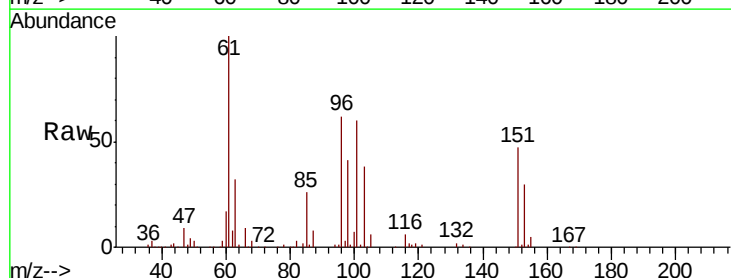
Tgt Ion: 96 Resp: 54207

Ion Ratio Lower Upper

96 100

61 160.3 130.0 195.0

98 65.1 52.2 78.4



Abundance Ion 95.90 (95.60 to 96.60): VU034274.D (-354) (-)

Ion 60.90 (60.60 to 61.60): VU034274.D (-354) (-)

Ion 97.90 (97.60 to 98.60): VU034274.D (-354) (-)

2.27

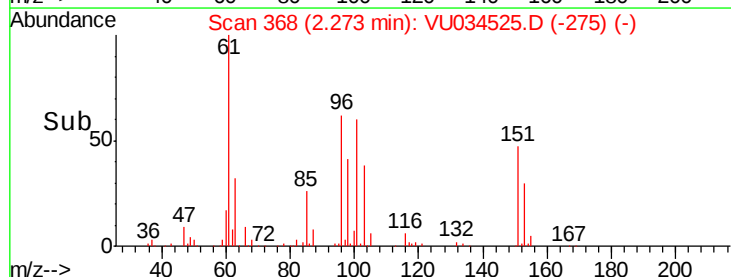
60000

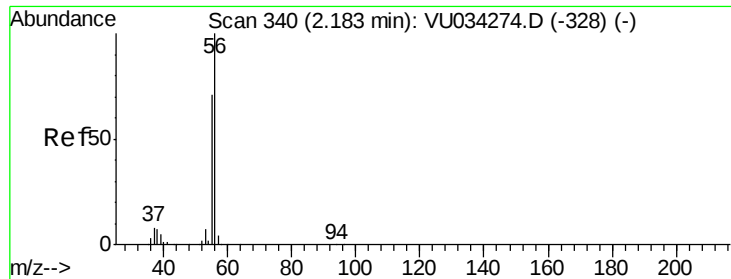
40000

20000

0

Time--> 2.20 2.25 2.30 2.35





#13

Acrolein

Concen: 45.623 ug/l

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

Lab File: VU034525.D

Acq: 12 Sep 2019 17:14

Instrument :

MSVOA_U

ClientSampleId :

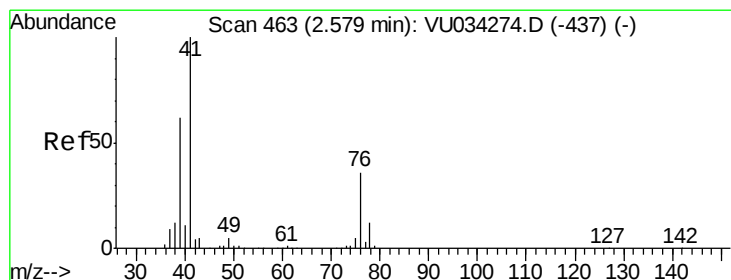
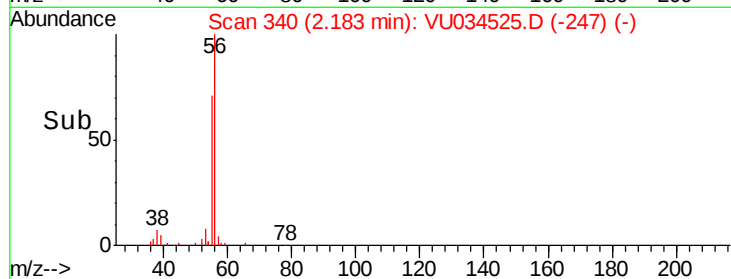
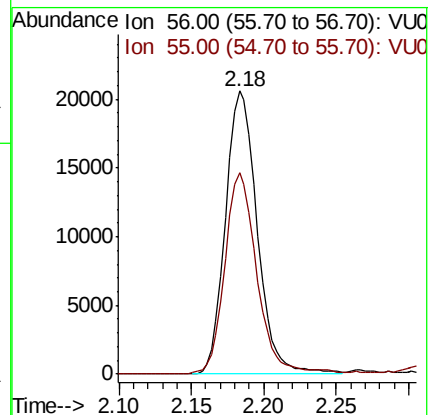
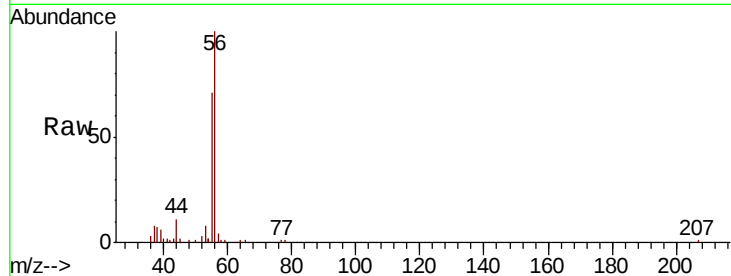
VU0912WBS04

Tgt Ion: 56 Resp: 31328

Ion Ratio Lower Upper

56 100

55 72.0 57.4 86.2



#14

Allyl chloride

Concen: 17.450 ug/l

RT: 2.58 min Scan# 463

Delta R.T. -0.00 min

Lab File: VU034525.D

Acq: 12 Sep 2019 17:14

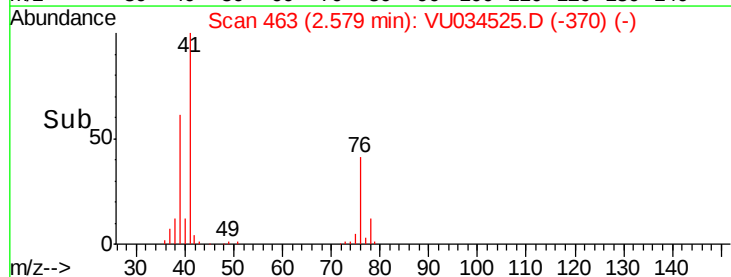
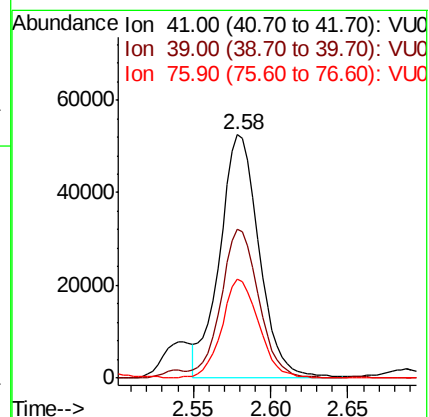
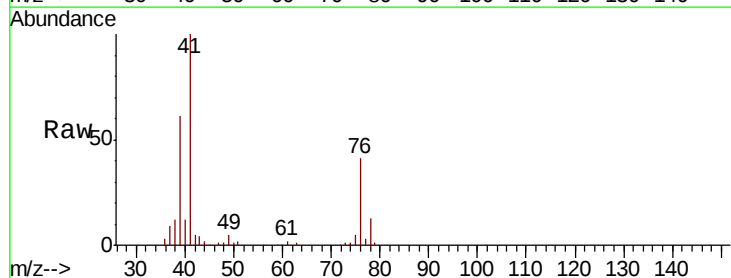
Tgt Ion: 41 Resp: 92770

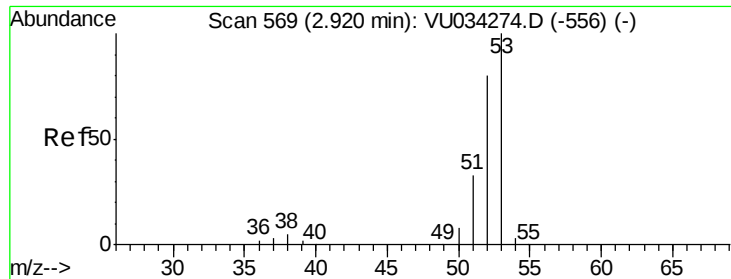
Ion Ratio Lower Upper

41 100

39 58.4 43.5 65.3

76 38.4 27.0 40.6





#15

Acrylonitrile

Concen: 109.891 ug/l

RT: 2.92 min Scan# 569

Delta R.T. -0.00 min

Lab File: VU034525.D

Acq: 12 Sep 2019 17:14

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBS04

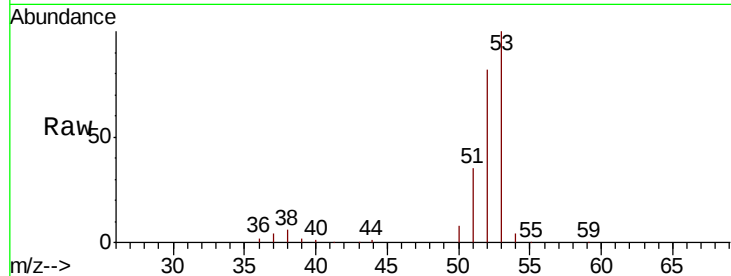
Tgt Ion: 53 Resp: 223572

Ion Ratio Lower Upper

53 100

52 81.0 64.1 96.1

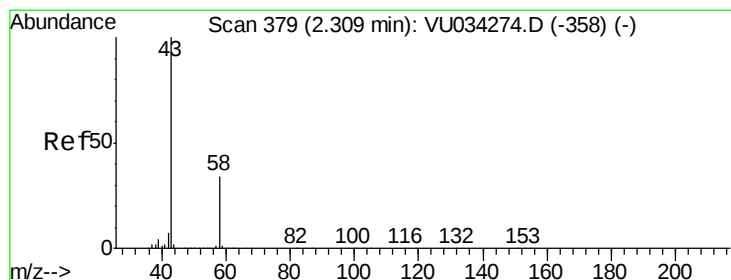
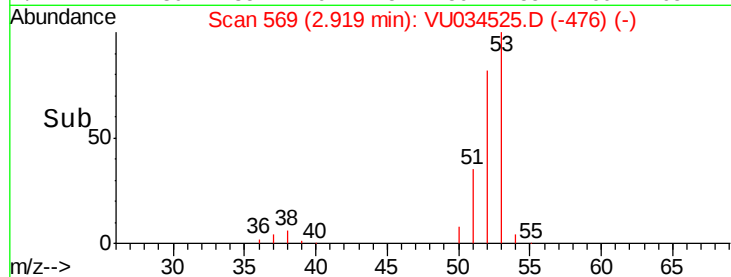
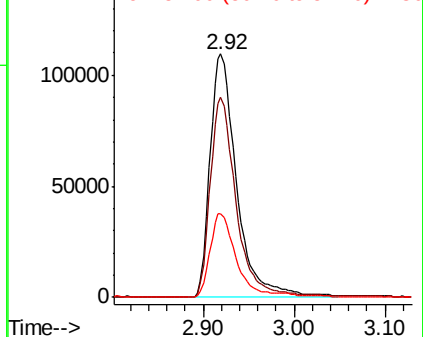
51 35.0 27.4 41.0



Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 104.318 ug/l

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VU034525.D

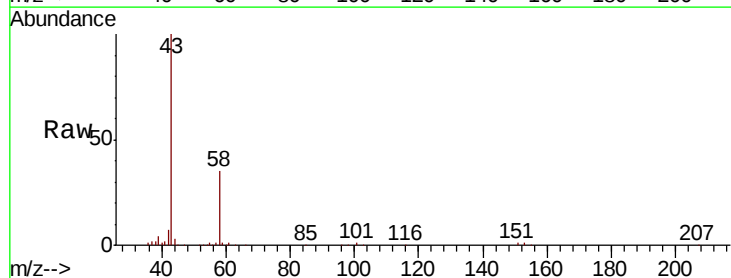
Acq: 12 Sep 2019 17:14

Tgt Ion: 43 Resp: 208764

Ion Ratio Lower Upper

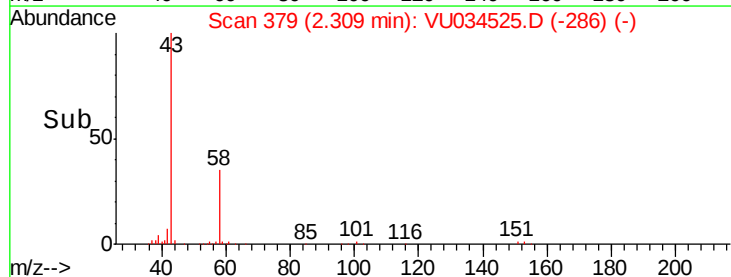
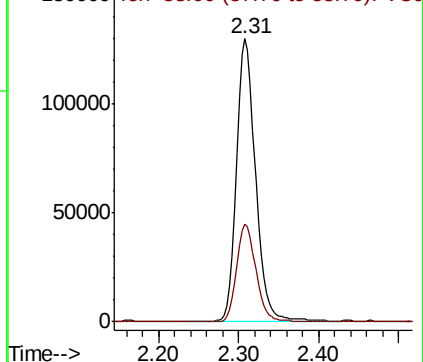
43 100

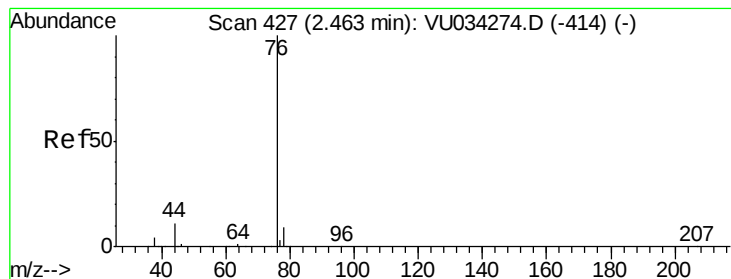
58 34.8 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#17

Carbon Disulfide

Concen: 16.458 ug/l

RT: 2.47 min Scan# 428

Delta R.T. 0.00 min

Lab File: VU034525.D

Acq: 12 Sep 2019 17:14

Instrument :

MSVOA_U

ClientSampleId :

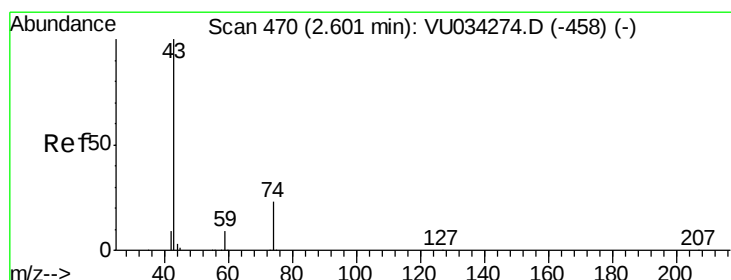
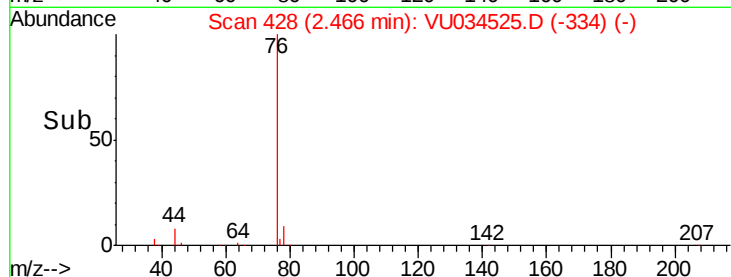
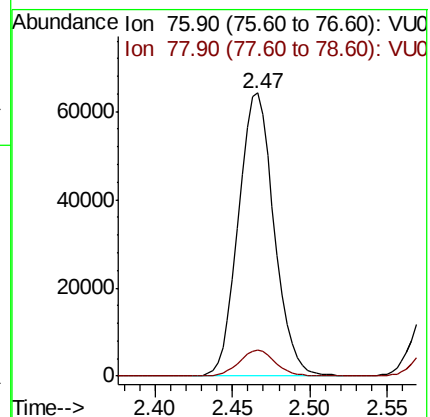
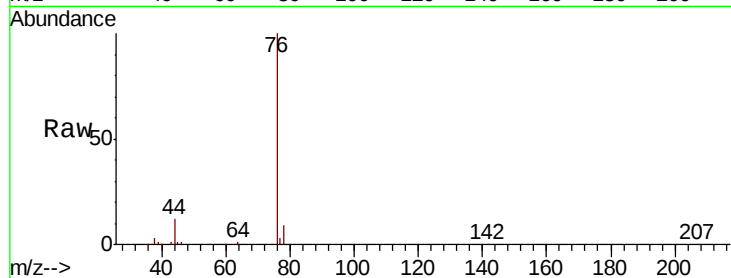
VU0912WBS04

Tgt Ion: 76 Resp: 102864

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8



#18

Methyl Acetate

Concen: 20.604 ug/l

RT: 2.60 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU034525.D

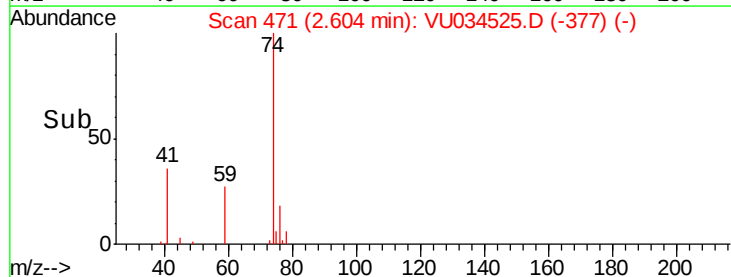
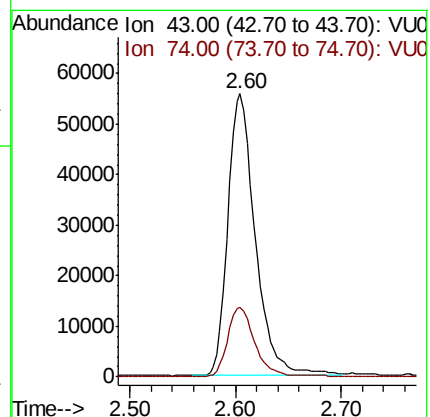
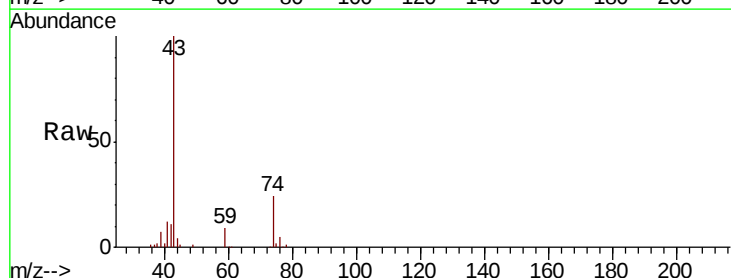
Acq: 12 Sep 2019 17:14

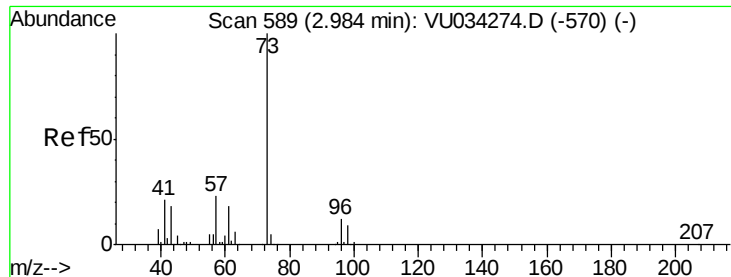
Tgt Ion: 43 Resp: 100330

Ion Ratio Lower Upper

43 100

74 24.6 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 21.637 ug/l

RT: 2.98 min Scan# 589

Delta R.T. -0.00 min

Lab File: VU034525.D

Acq: 12 Sep 2019 17:14

Instrument :

MSVOA_U

ClientSampleId :

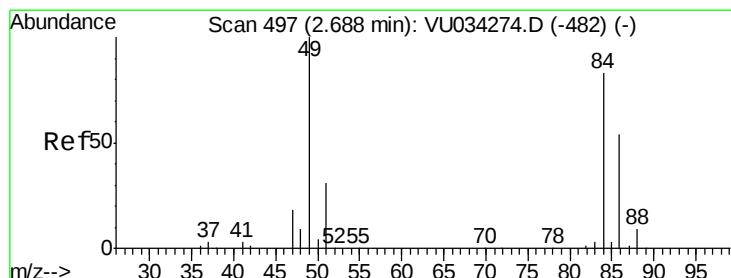
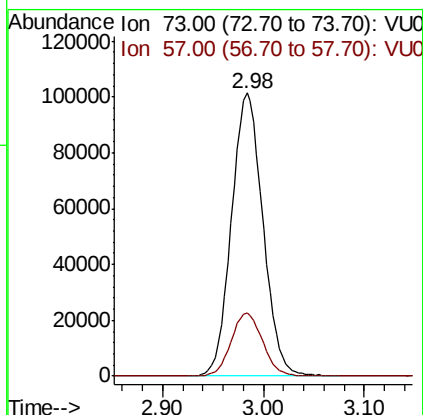
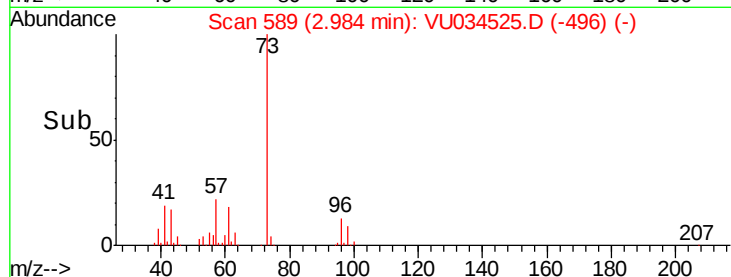
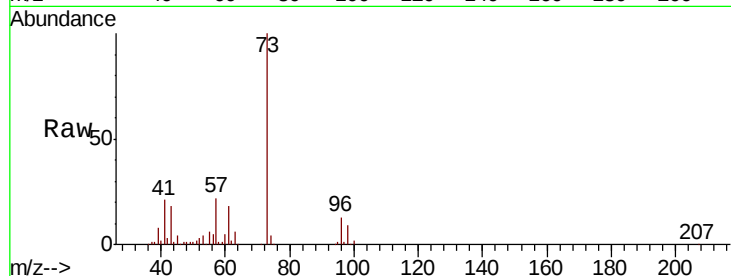
VU0912WBS04

Tgt Ion: 73 Resp: 219307

Ion Ratio Lower Upper

73 100

57 22.4 18.2 27.4



#20

Methylene Chloride

Concen: 21.624 ug/l

RT: 2.69 min Scan# 497

Delta R.T. -0.00 min

Lab File: VU034525.D

Acq: 12 Sep 2019 17:14

Tgt Ion: 84 Resp: 71625

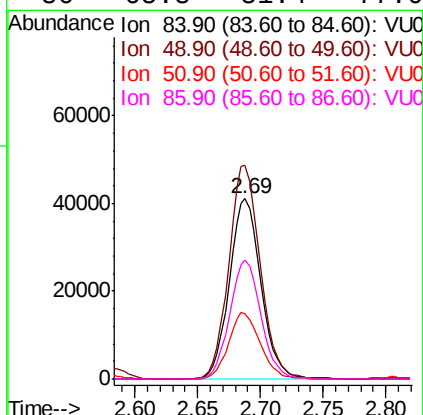
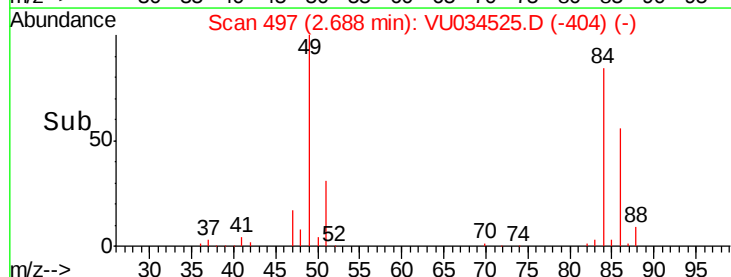
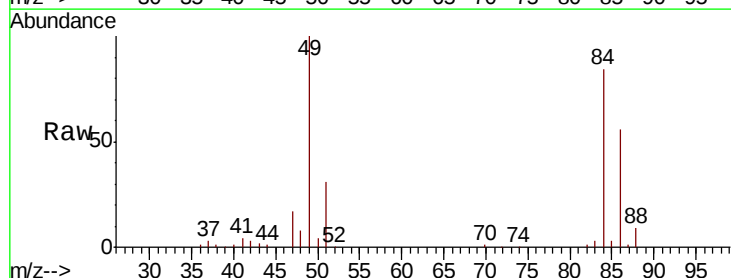
Ion Ratio Lower Upper

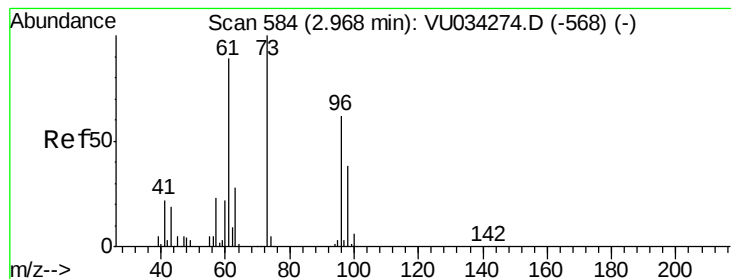
84 100

49 118.5 96.0 144.0

51 36.2 30.0 45.0

86 65.8 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 19.660 ug/l

RT: 2.97 min Scan# 584

Delta R.T. -0.00 min

Lab File: VU034525.D

Acq: 12 Sep 2019 17:14

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBS04

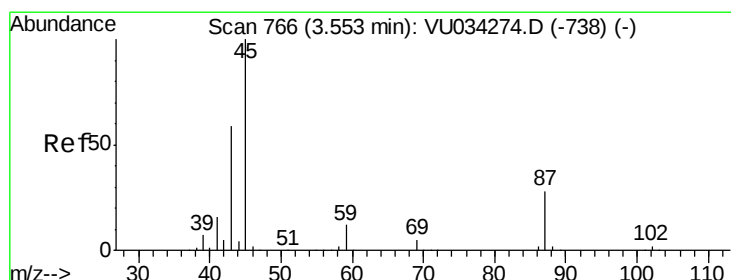
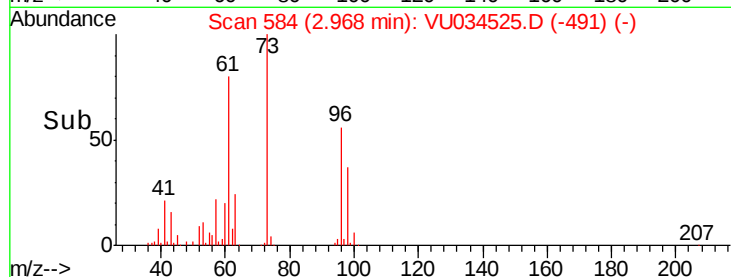
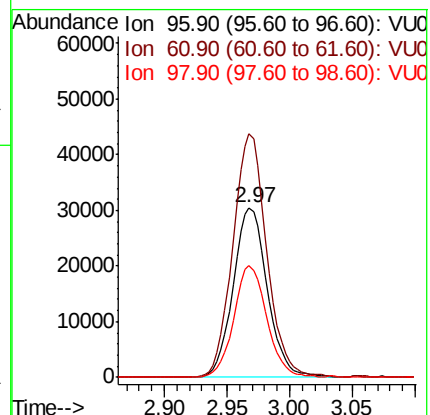
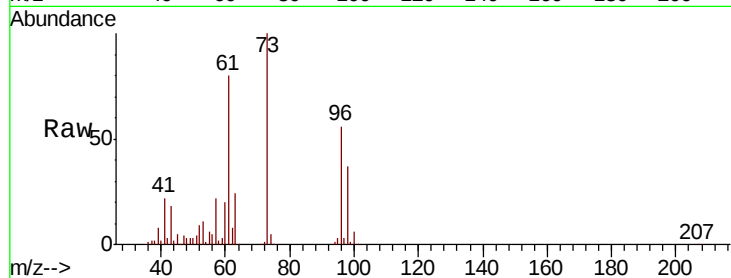
Tgt Ion: 96 Resp: 57612

Ion Ratio Lower Upper

96 100

61 143.7 114.8 172.2

98 65.8 49.8 74.8



#22

Diisopropyl ether

Concen: 21.766 ug/l

RT: 3.55 min Scan# 766

Delta R.T. -0.00 min

Lab File: VU034525.D

Acq: 12 Sep 2019 17:14

Tgt Ion: 45 Resp: 225666

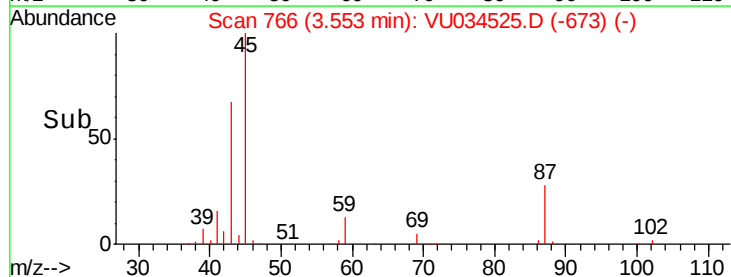
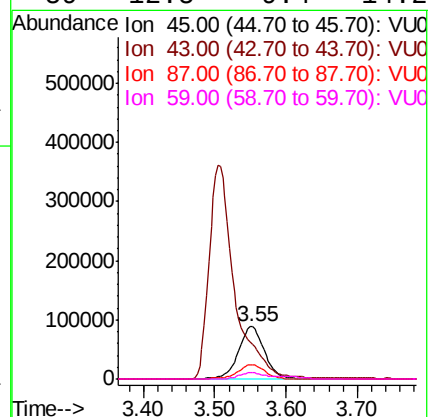
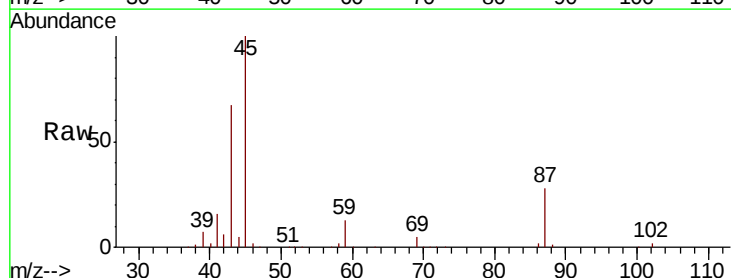
Ion Ratio Lower Upper

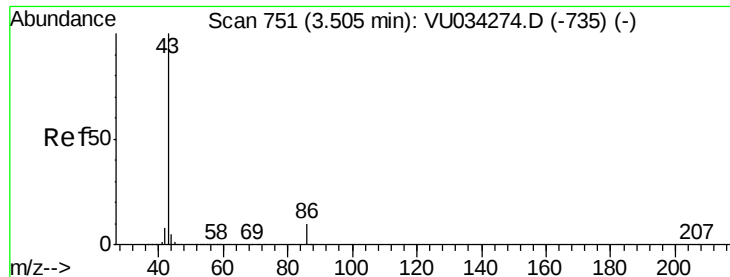
45 100

43 66.4 47.5 71.3

87 27.5 22.2 33.4

59 12.5 9.4 14.2

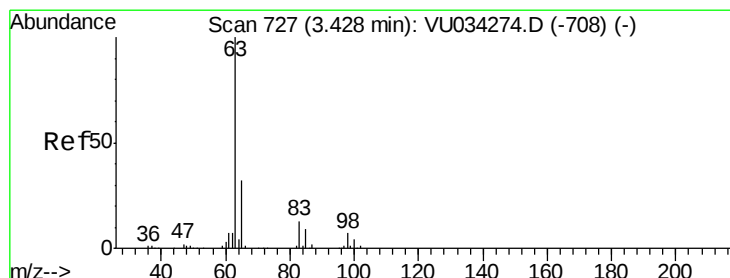
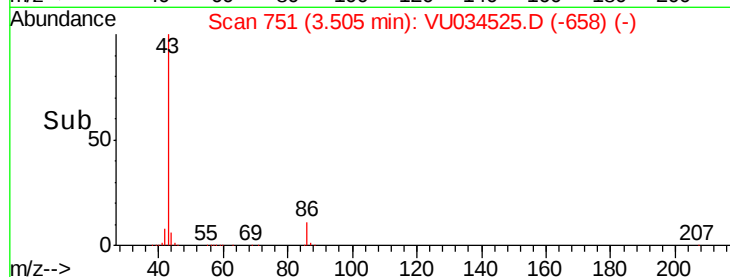
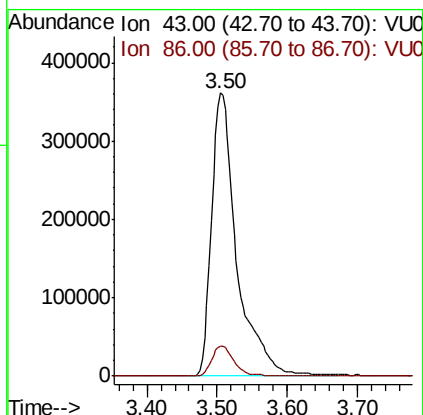
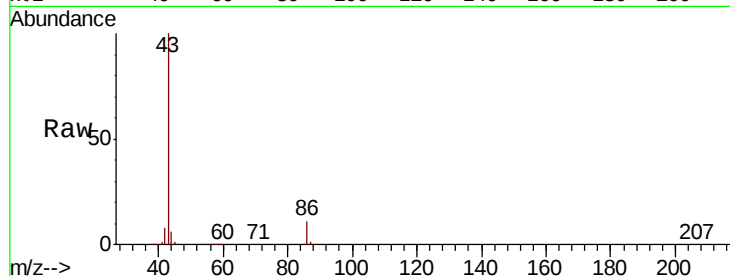




#23
 Vinyl Acetate
 Concen: 106.744 ug/l
 RT: 3.50 min Scan# 751
 Delta R.T. -0.00 min
 Lab File: VU034525.D
 Acq: 12 Sep 2019 17:14

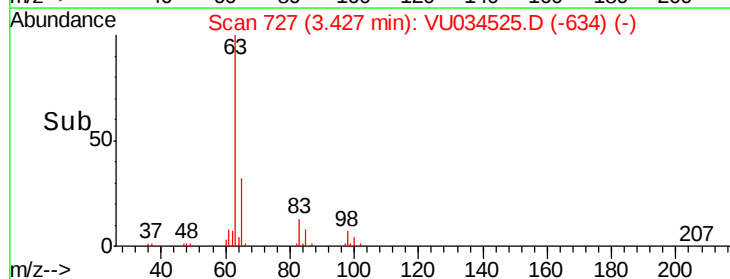
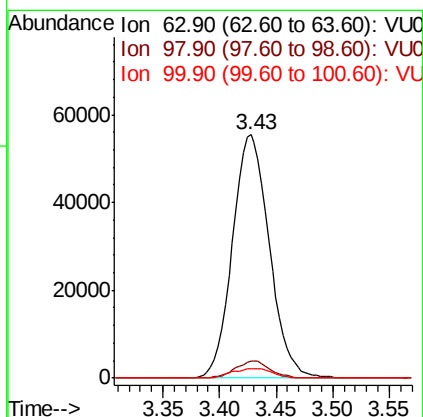
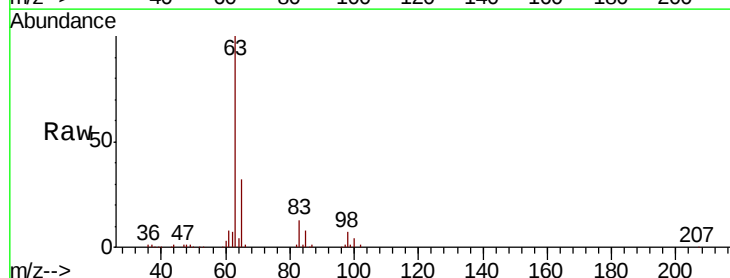
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBS04

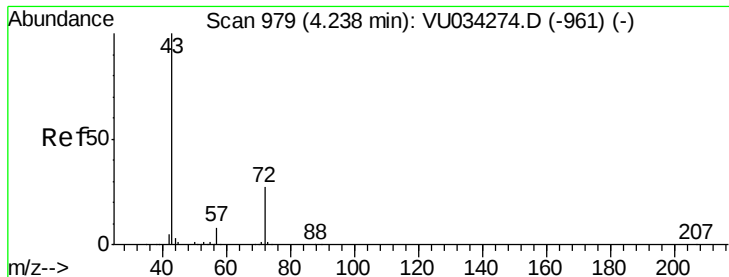
Tgt Ion: 43 Resp: 901473
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 20.333 ug/l
 RT: 3.43 min Scan# 727
 Delta R.T. -0.00 min
 Lab File: VU034525.D
 Acq: 12 Sep 2019 17:14

Tgt Ion: 63 Resp: 125896
 Ion Ratio Lower Upper
 63 100
 98 7.1 3.5 10.4
 100 4.1 2.1 6.5





#25

2-Butanone

Concen: 108.288 ug/l

RT: 4.24 min Scan# 979

Delta R.T. -0.00 min

Lab File: VU034525.D

Acq: 12 Sep 2019 17:14

Instrument :

MSVOA_U

ClientSampleId :

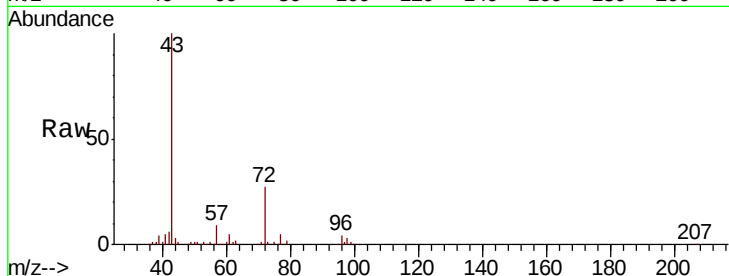
VU0912WBS04

Tgt Ion: 43 Resp: 289278

Ion Ratio Lower Upper

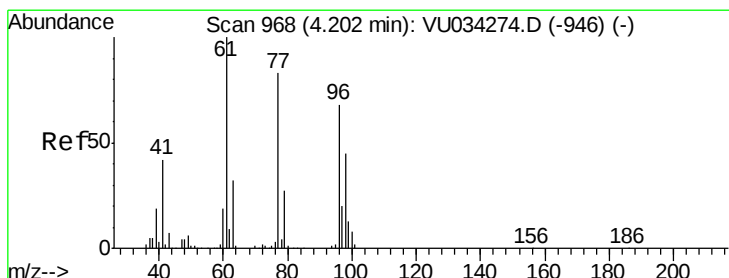
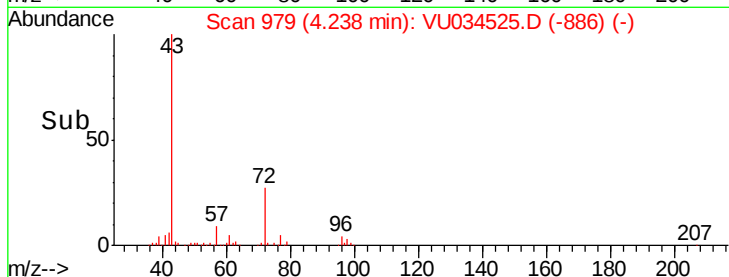
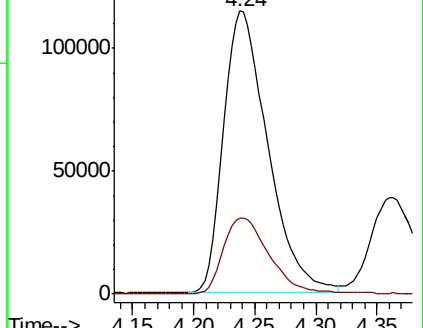
43 100

72 26.7 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) (-)



#26

2,2-Dichloropropane

Concen: 21.164 ug/l

RT: 4.20 min Scan# 968

Delta R.T. -0.00 min

Lab File: VU034525.D

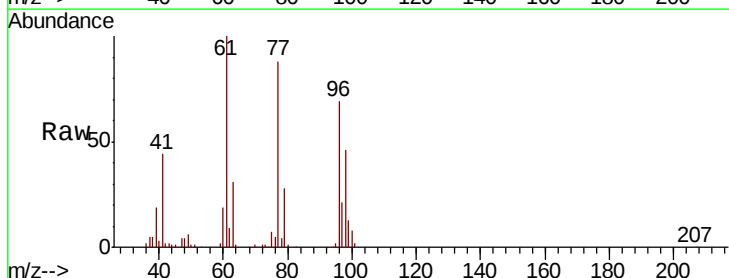
Acq: 12 Sep 2019 17:14

Tgt Ion: 77 Resp: 105389

Ion Ratio Lower Upper

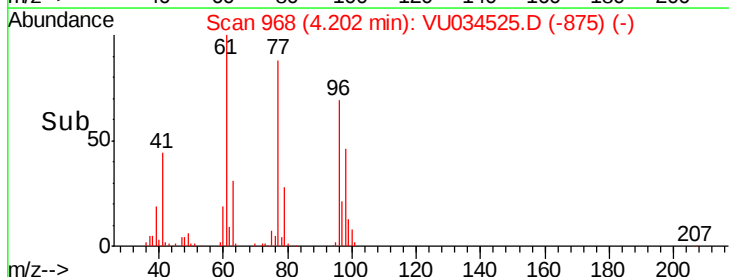
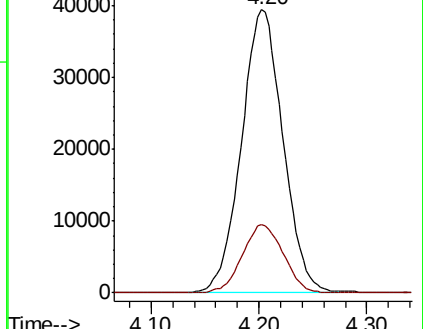
77 100

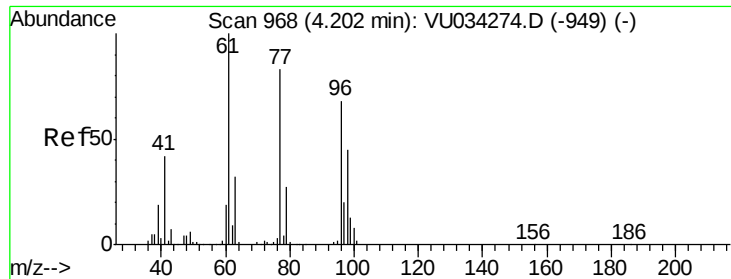
97 23.8 11.8 35.3



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

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



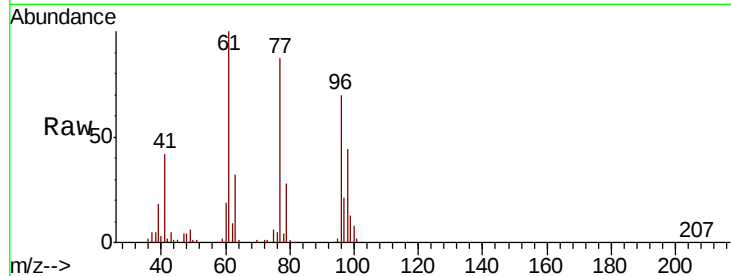


#27

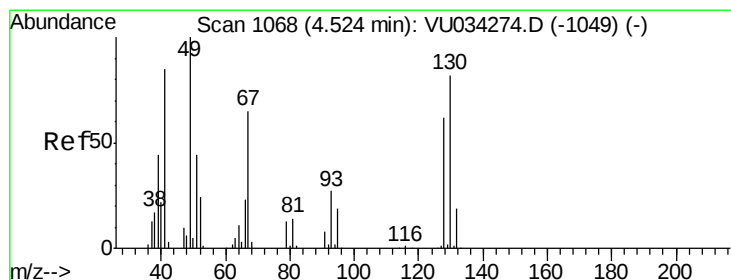
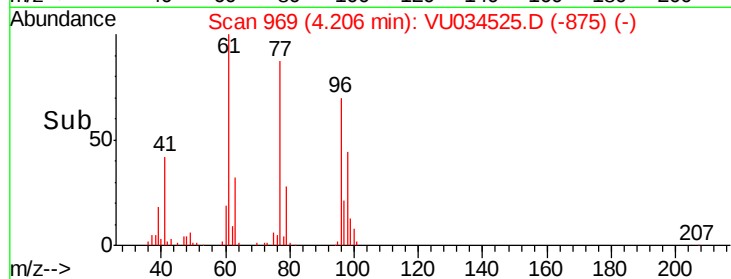
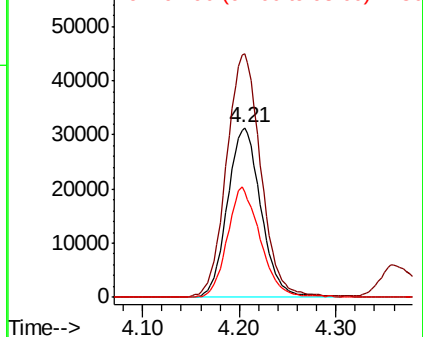
cis-1,2-Dichloroethene
Concen: 21.260 ug/l
RT: 4.21 min Scan# 969
Delta R.T. 0.00 min
Lab File: VU034525.D
Acq: 12 Sep 2019 17:14

Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS04

Tgt Ion: 96 Resp: 75665
Ion Ratio Lower Upper
96 100
61 146.8 0.0 297.4
98 63.4 0.0 130.0



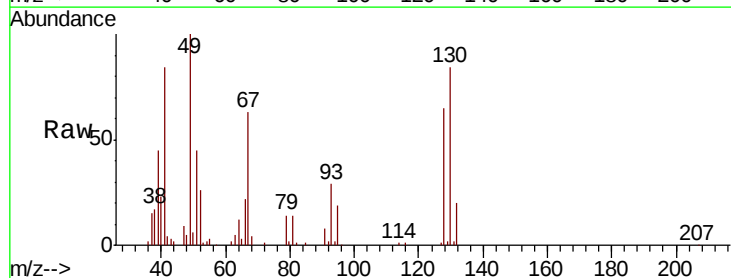
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



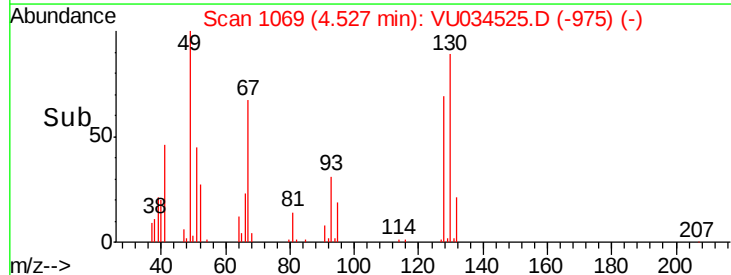
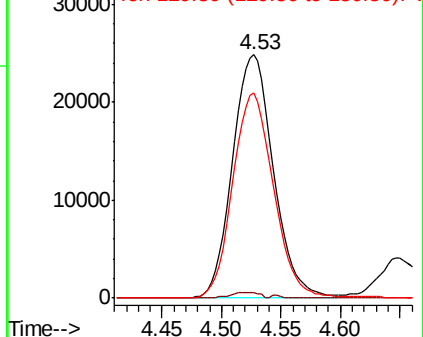
#28

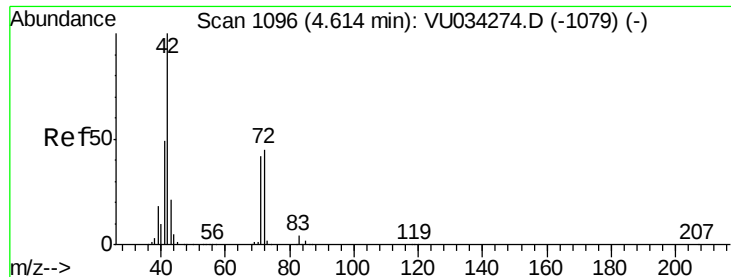
Bromochloromethane
Concen: 20.836 ug/l
RT: 4.53 min Scan# 1069
Delta R.T. 0.00 min
Lab File: VU034525.D
Acq: 12 Sep 2019 17:14

Tgt Ion: 49 Resp: 59338
Ion Ratio Lower Upper
49 100
129 1.6 0.0 3.8
130 83.8 65.2 97.8



Abundance Ion 48.90 (48.60 to 49.60): VU0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

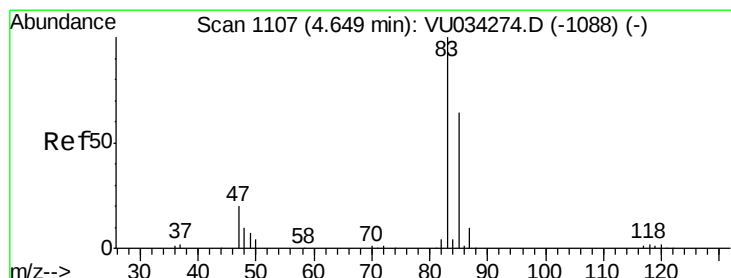
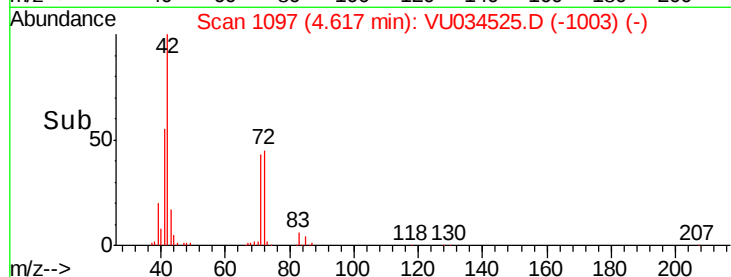
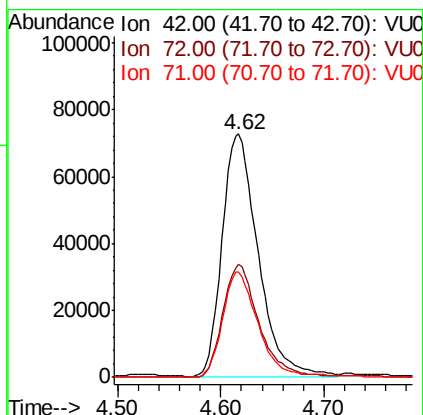
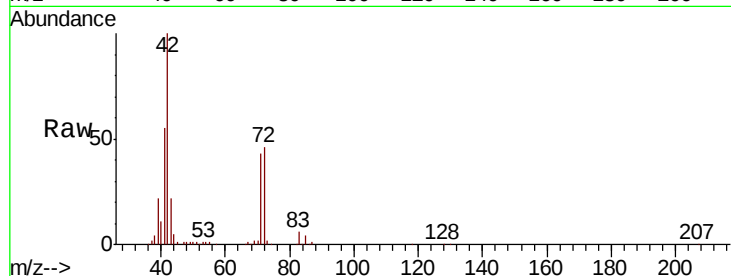




#29
Tetrahydrofuran
Concen: 108.309 ug/l
RT: 4.62 min Scan# 1097
Delta R.T. 0.00 min
Lab File: VU034525.D
Acq: 12 Sep 2019 17:14

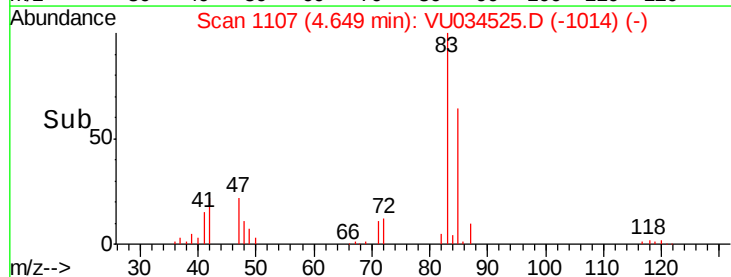
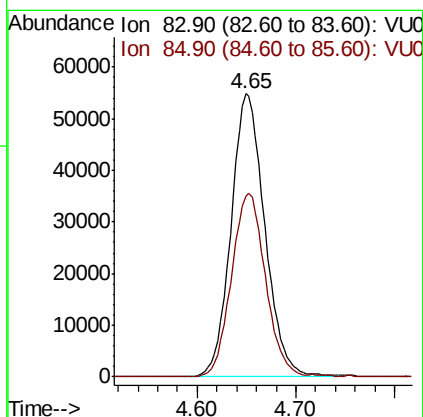
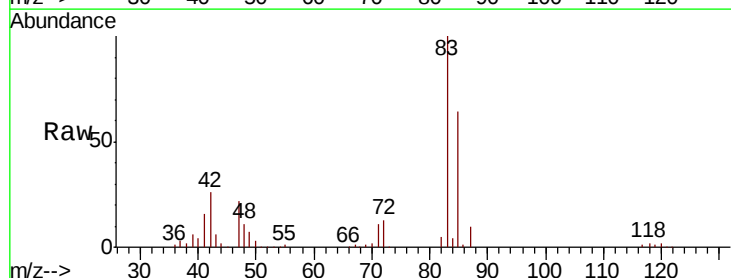
Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS04

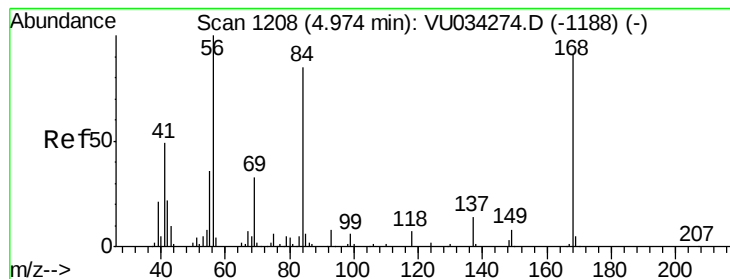
Tgt Ion: 42 Resp: 176061
Ion Ratio Lower Upper
42 100
72 46.9 36.6 54.8
71 42.4 34.3 51.5



#30
Chloroform
Concen: 20.757 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VU034525.D
Acq: 12 Sep 2019 17:14

Tgt Ion: 83 Resp: 130632
Ion Ratio Lower Upper
83 100
85 63.8 51.5 77.3





#31

Cyclohexane

Concen: 19.133 ug/l

RT: 4.97 min Scan# 1207

Delta R.T. -0.00 min

Lab File: VU034525.D

Acq: 12 Sep 2019 17:14

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBS04

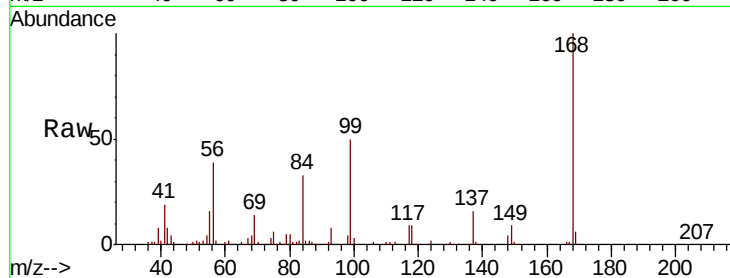
Tgt Ion: 56 Resp: 86667

Ion Ratio Lower Upper

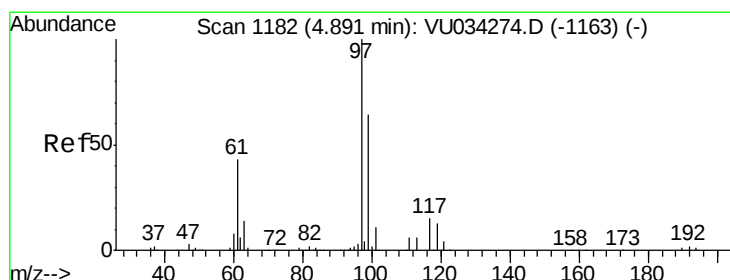
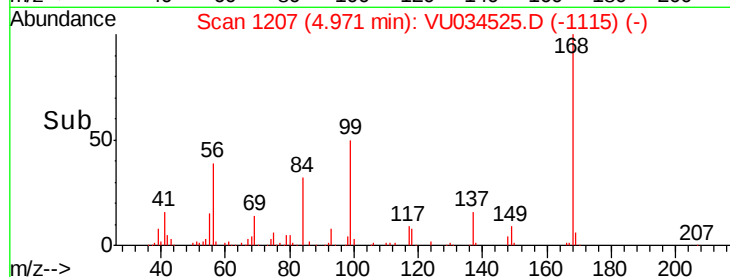
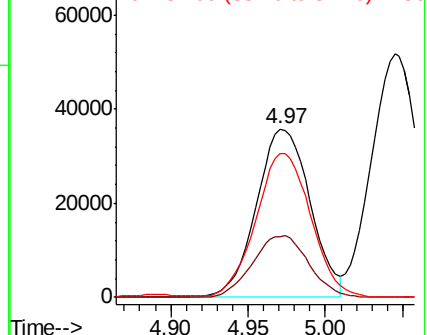
56 100

69 36.3 26.7 40.1

84 84.1 68.2 102.4



Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0



#32

1,1,1-Trichloroethane

Concen: 21.186 ug/l

RT: 4.89 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VU034525.D

Acq: 12 Sep 2019 17:14

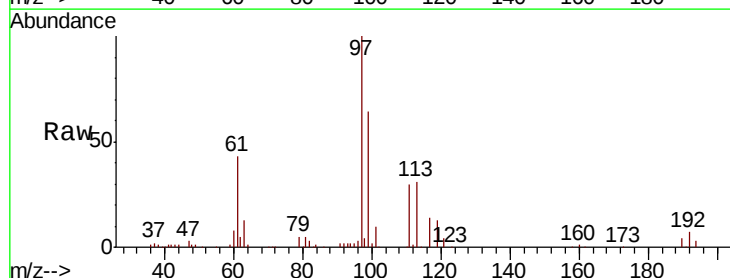
Tgt Ion: 97 Resp: 106603

Ion Ratio Lower Upper

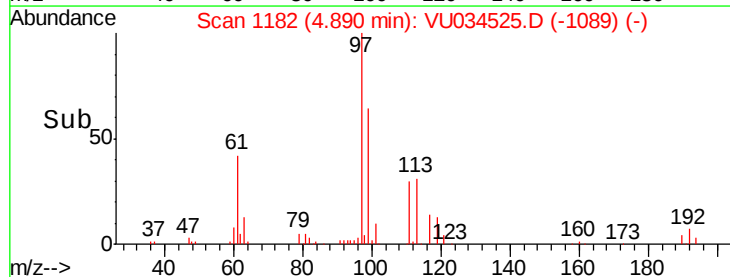
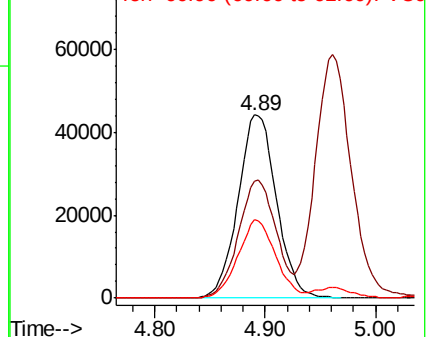
97 100

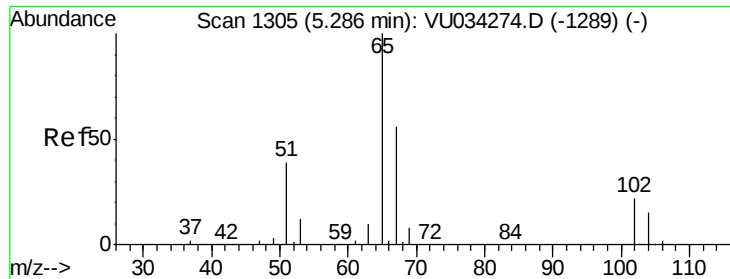
99 63.7 50.9 76.3

61 41.8 34.7 52.1



Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 98.90 (98.60 to 99.60): VU0
Ion 60.90 (60.60 to 61.60): VU0

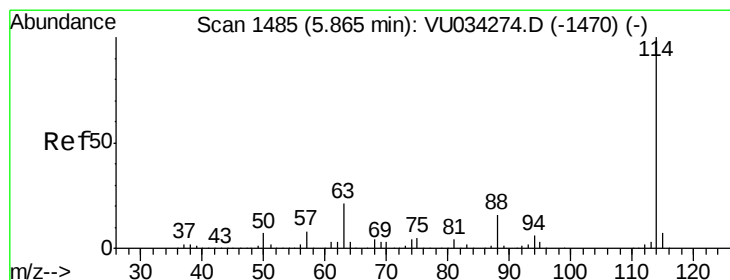
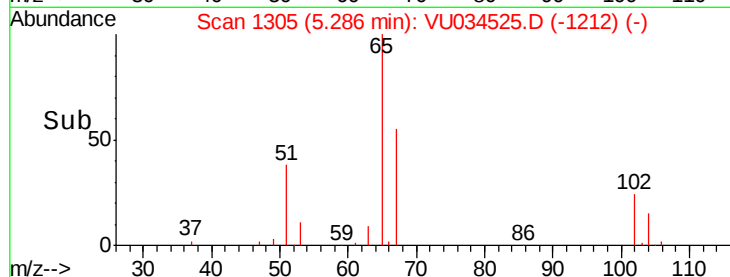
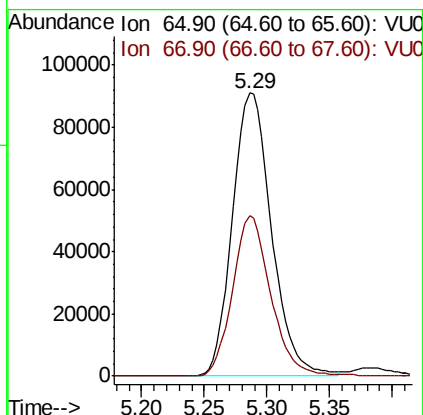
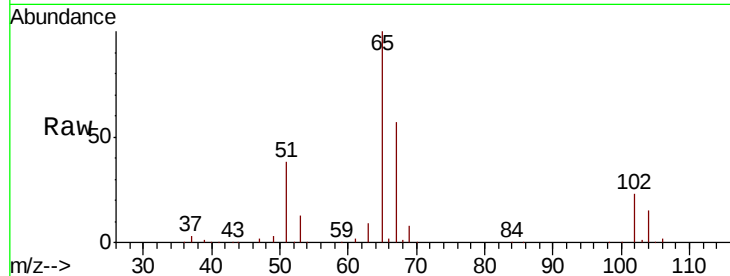




#33
 1,2-Dichloroethane-d4
 Concen: 51.132 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. -0.00 min
 Lab File: VU034525.D
 Acq: 12 Sep 2019 17:14

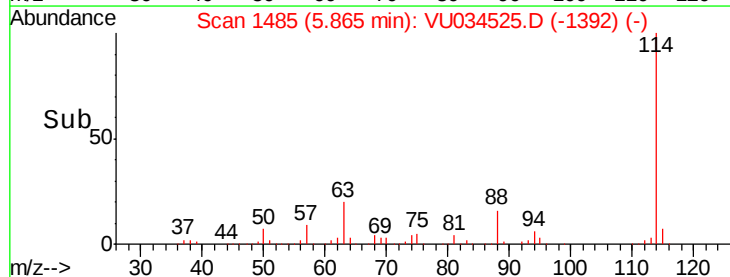
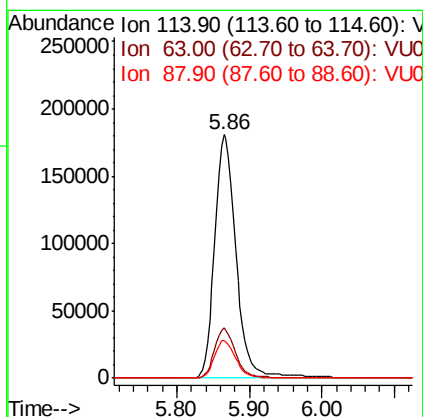
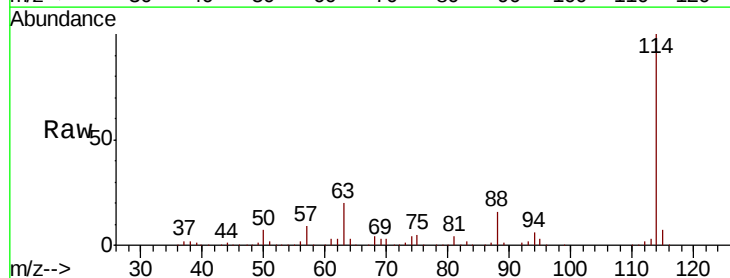
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBS04

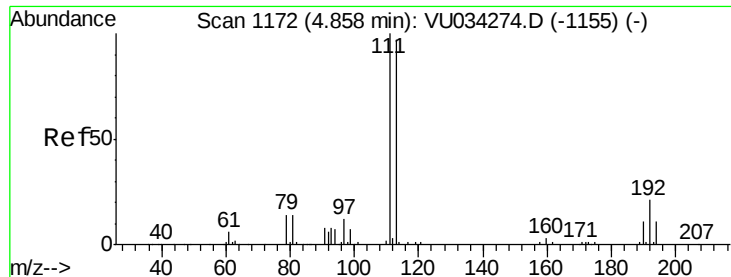
Tgt Ion: 65 Resp: 197734
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 112.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VU034525.D
 Acq: 12 Sep 2019 17:14

Tgt Ion: 114 Resp: 370586
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 42.4
 88 15.5 0.0 32.4

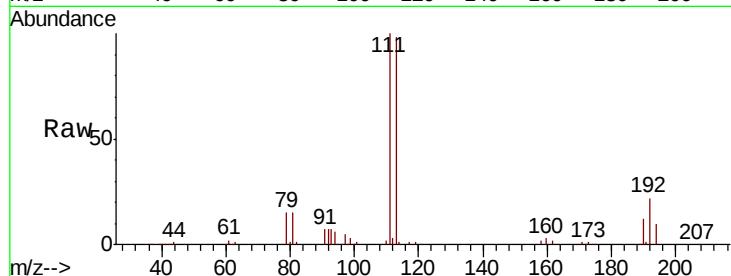




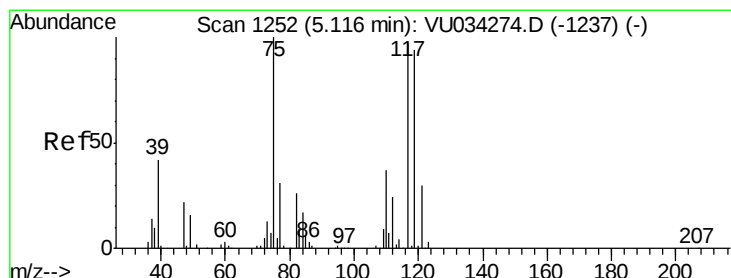
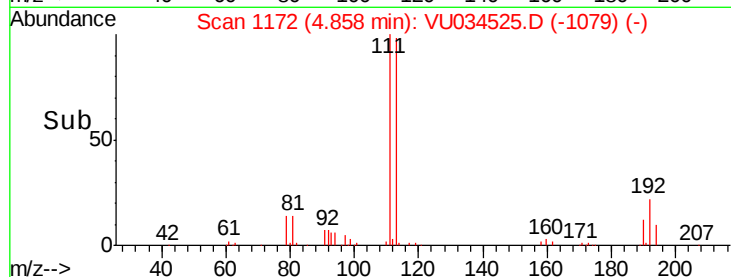
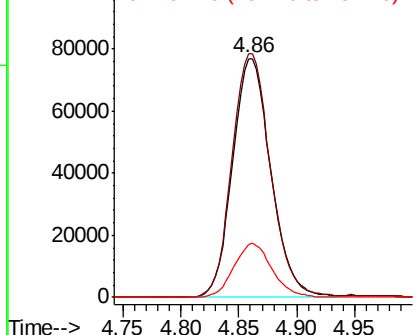
#35
 Dibromofluoromethane
 Concen: 51.379 ug/l
 RT: 4.86 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: VU034525.D
 Acq: 12 Sep 2019 17:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBS04

Tgt Ion: 113 Resp: 177172
 Ion Ratio Lower Upper
 113 100
 111 102.7 81.5 122.3
 192 22.4 17.8 26.8

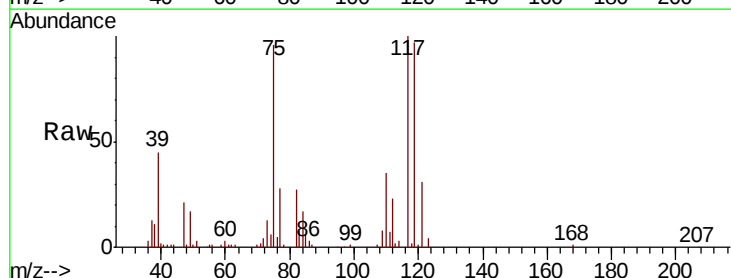


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

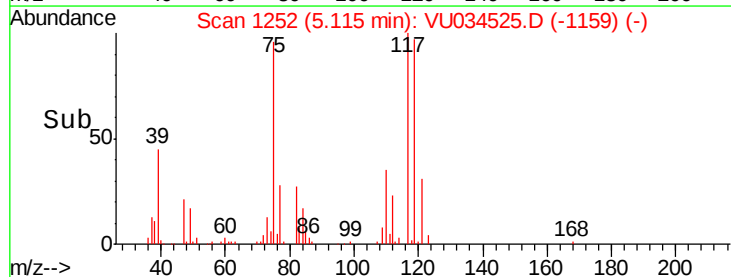
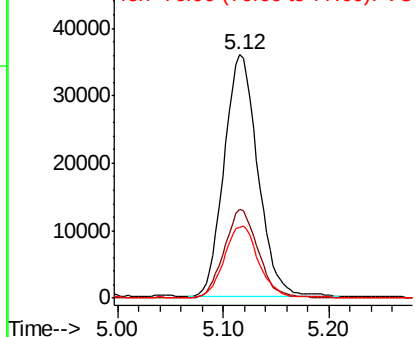


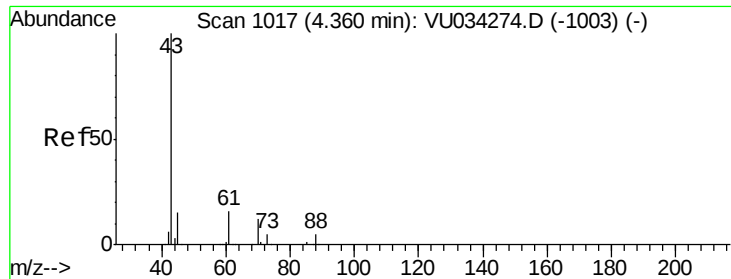
#36
 1,1-Dichloropropene
 Concen: 19.842 ug/l
 RT: 5.12 min Scan# 1252
 Delta R.T. -0.00 min
 Lab File: VU034525.D
 Acq: 12 Sep 2019 17:14

Tgt Ion: 75 Resp: 79748
 Ion Ratio Lower Upper
 75 100
 110 36.9 18.3 54.9
 77 30.5 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

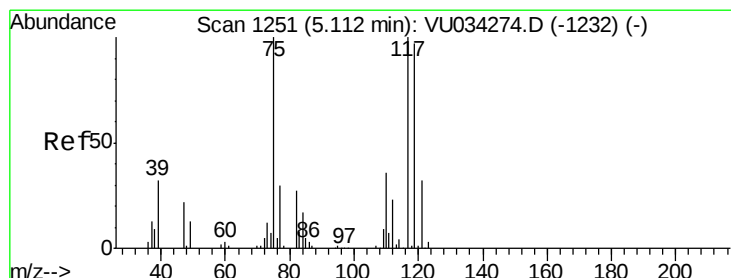
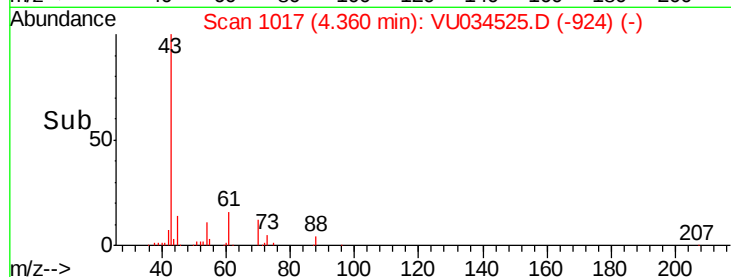
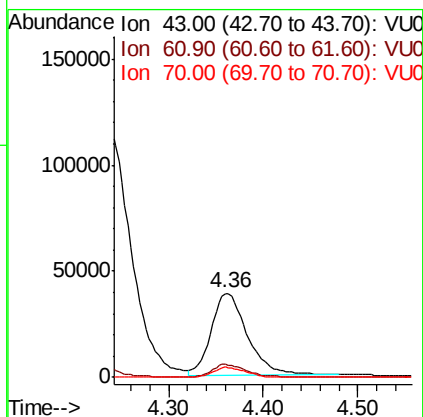
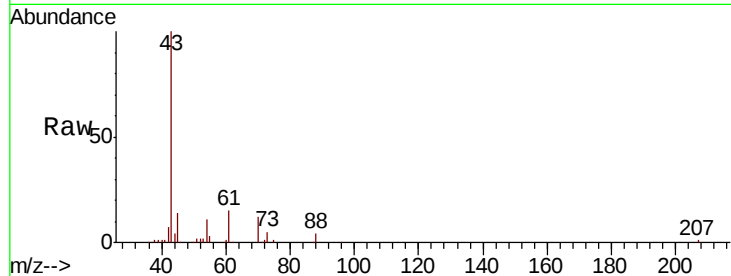




#37
Ethyl Acetate
Concen: 21.430 ug/l
RT: 4.36 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VU034525.D
Acq: 12 Sep 2019 17:14

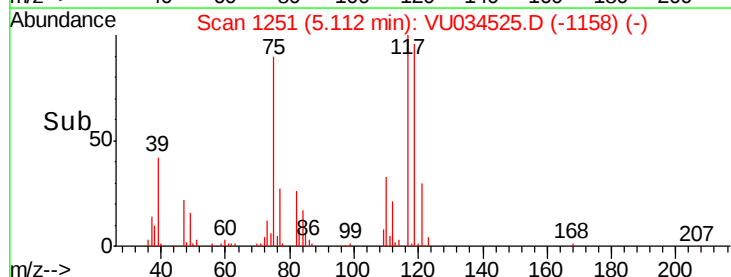
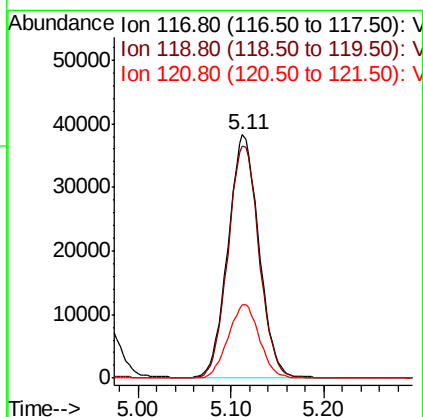
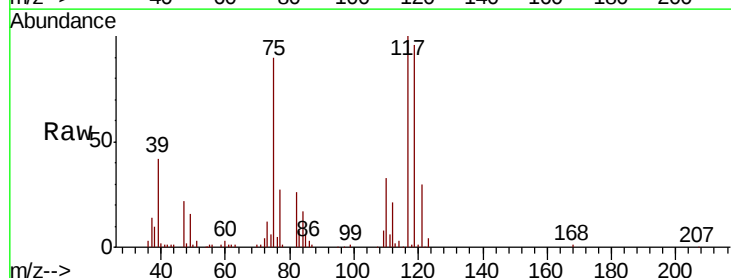
Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS04

Tgt Ion: 43 Resp: 101831
Ion Ratio Lower Upper
43 100
61 15.1 12.3 18.5
70 11.4 9.1 13.7



#38
Carbon Tetrachloride
Concen: 20.680 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VU034525.D
Acq: 12 Sep 2019 17:14

Tgt Ion: 117 Resp: 88744
Ion Ratio Lower Upper
117 100
119 95.5 77.8 116.6
121 30.0 25.2 37.8

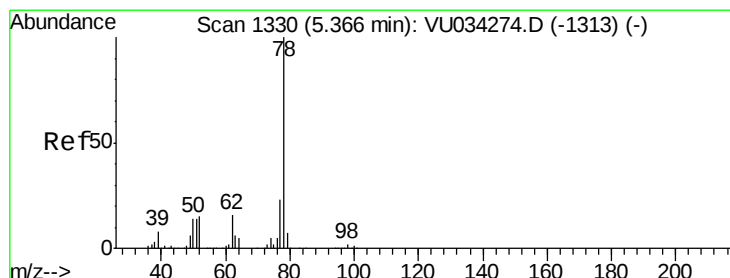
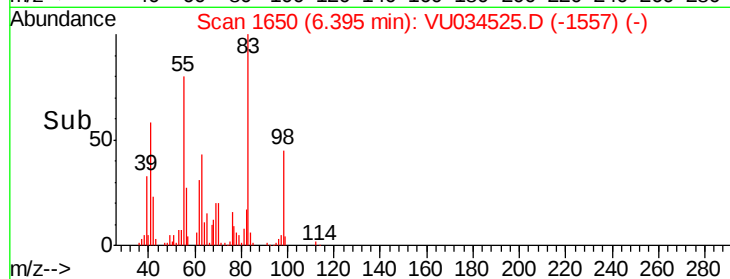
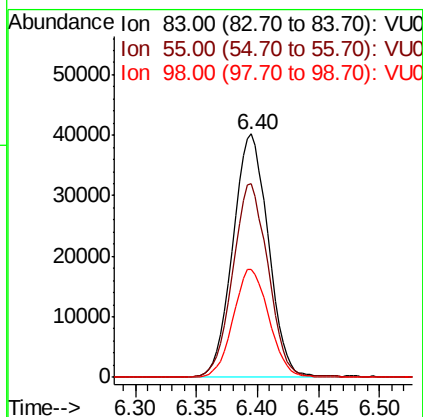
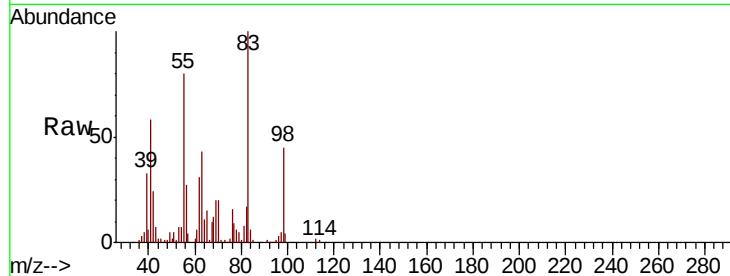




#39
Methylcyclohexane
Concen: 18.851 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. -0.00 min
Lab File: VU034525.D
Acq: 12 Sep 2019 17:14

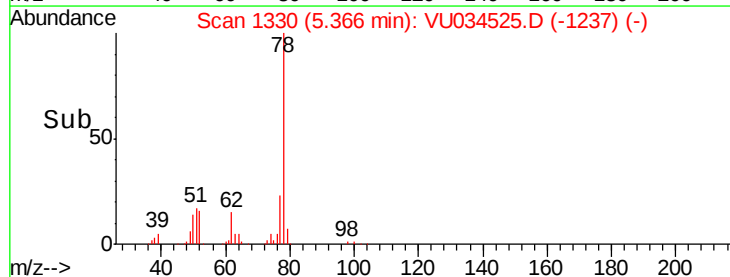
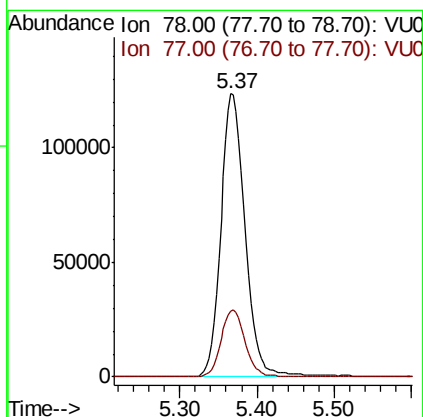
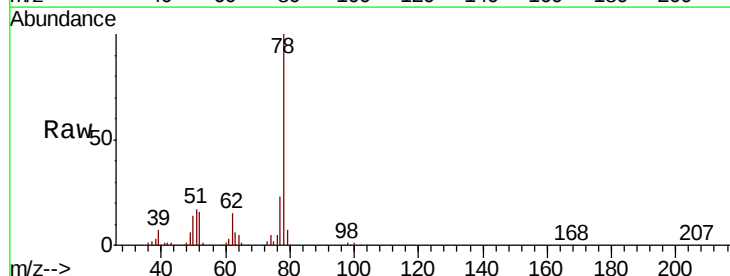
Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS04

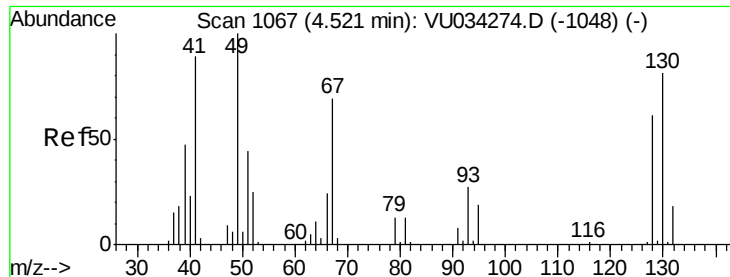
Tgt Ion: 83 Resp: 80992
Ion Ratio Lower Upper
83 100
55 79.7 62.1 93.1
98 44.6 37.0 55.6



#40
Benzene
Concen: 20.746 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VU034525.D
Acq: 12 Sep 2019 17:14

Tgt Ion: 78 Resp: 269041
Ion Ratio Lower Upper
78 100
77 23.3 18.7 28.1





#41

Methacrylonitrile

Concen: 21.575 ug/l

RT: 4.52 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VU034525.D

Acq: 12 Sep 2019 17:14

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBS04

Tgt Ion: 41 Resp: 54609

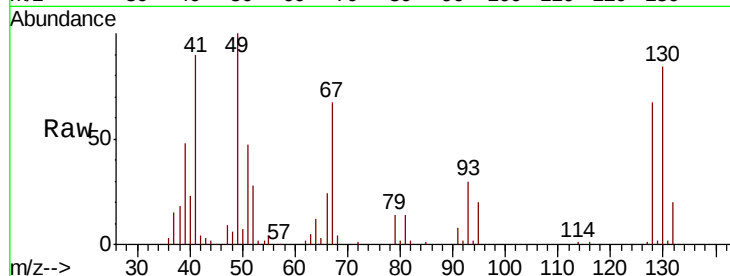
Ion Ratio Lower Upper

41 100

39 52.9 41.0 61.4

67 80.0 62.4 93.6

52 29.5 23.6 35.4

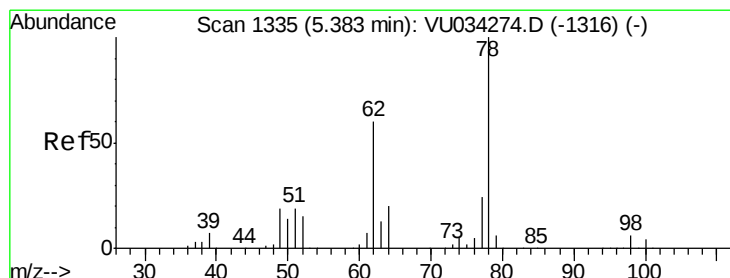
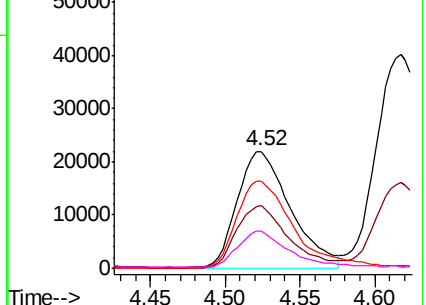
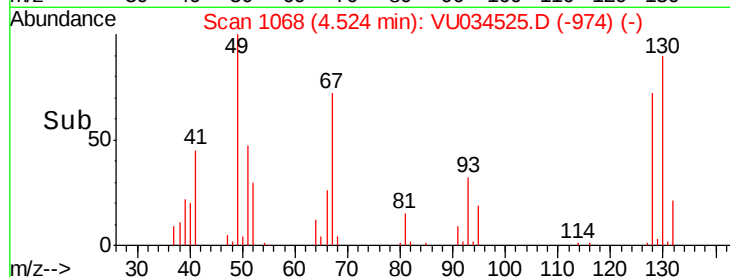


Abundance Ion 41.00 (40.70 to 41.70): VU0

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: 20.887 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VU034525.D

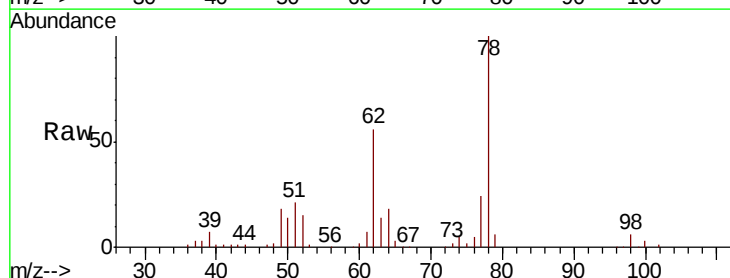
Acq: 12 Sep 2019 17:14

Tgt Ion: 62 Resp: 94046

Ion Ratio Lower Upper

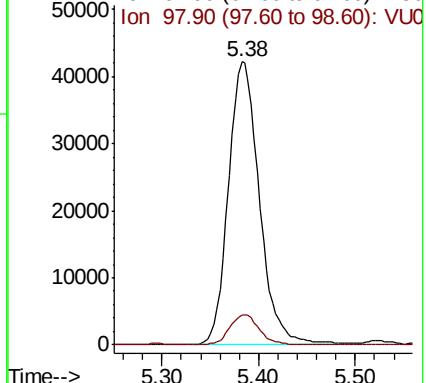
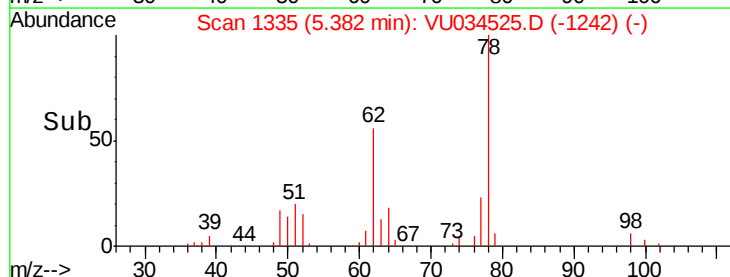
62 100

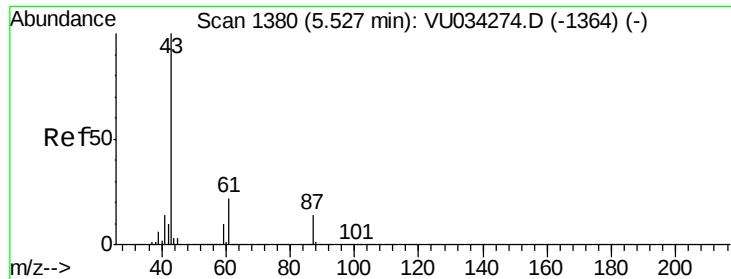
98 10.1 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 20.941 ug/l

RT: 5.53 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VU034525.D

Acq: 12 Sep 2019 17:14

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBS04

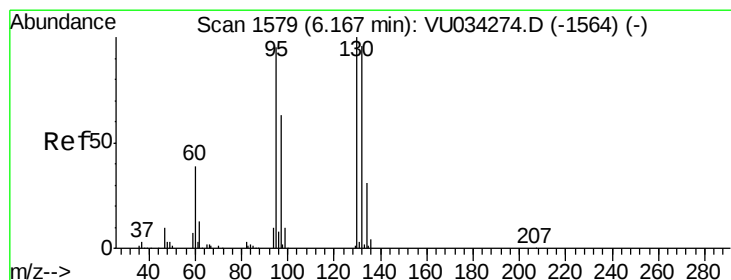
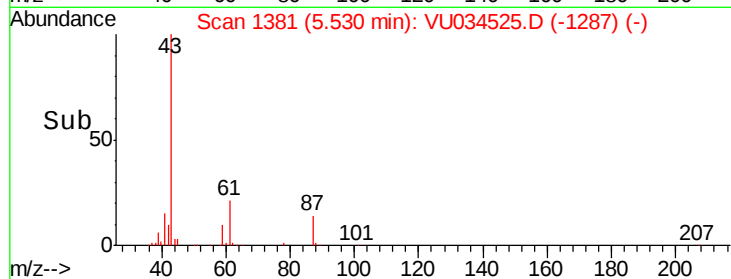
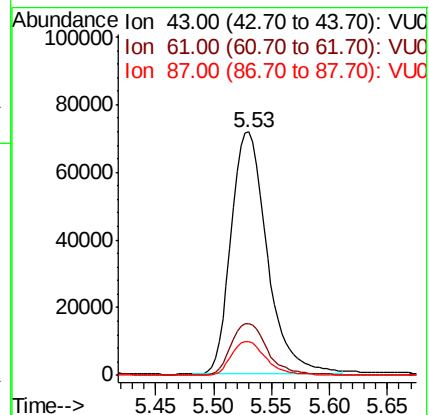
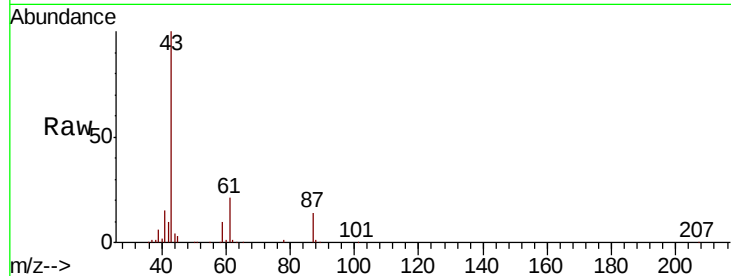
Tgt Ion: 43 Resp: 155228

Ion Ratio Lower Upper

43 100

61 21.7 17.1 25.7

87 13.4 11.1 16.7



#44

Trichloroethene

Concen: 20.926 ug/l

RT: 6.17 min Scan# 1579

Delta R.T. -0.00 min

Lab File: VU034525.D

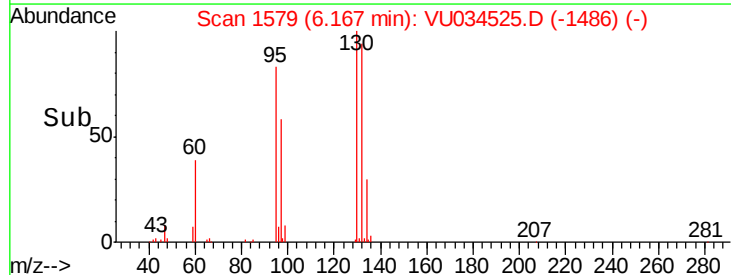
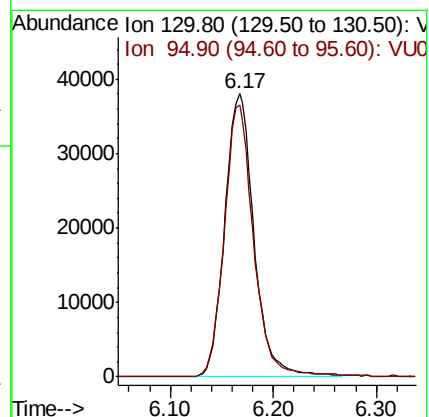
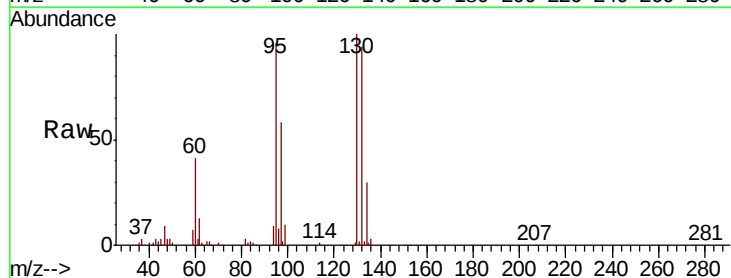
Acq: 12 Sep 2019 17:14

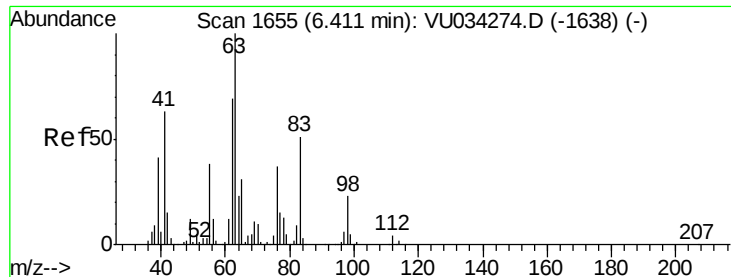
Tgt Ion: 130 Resp: 75097

Ion Ratio Lower Upper

130 100

95 96.1 0.0 189.2

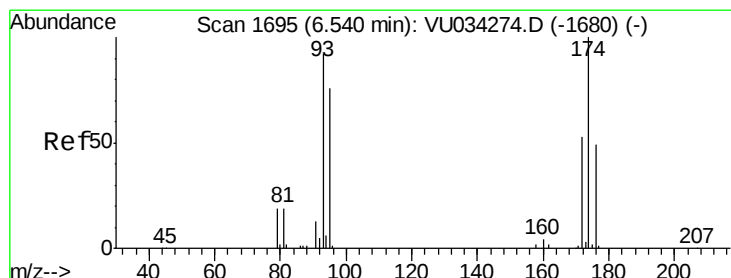
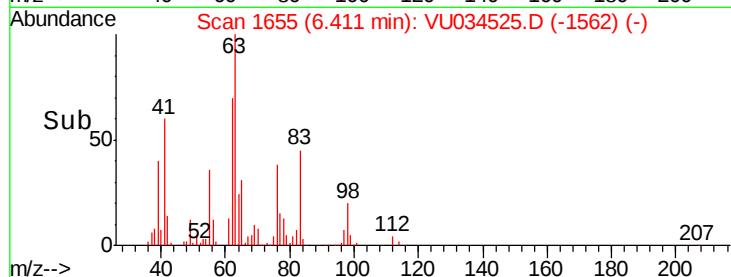
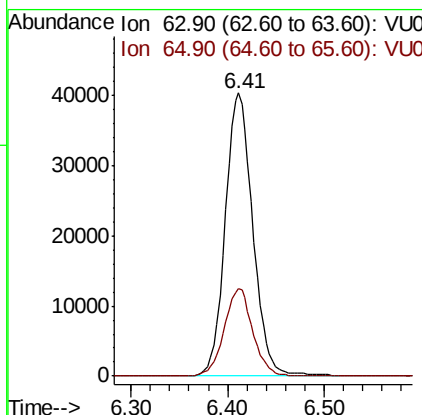
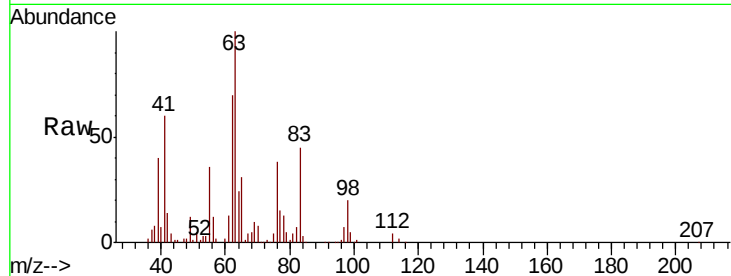




#45
 1,2-Dichloropropane
 Concen: 21.019 ug/l
 RT: 6.41 min Scan# 1655
 Delta R.T. -0.00 min
 Lab File: VU034525.D
 Acq: 12 Sep 2019 17:14

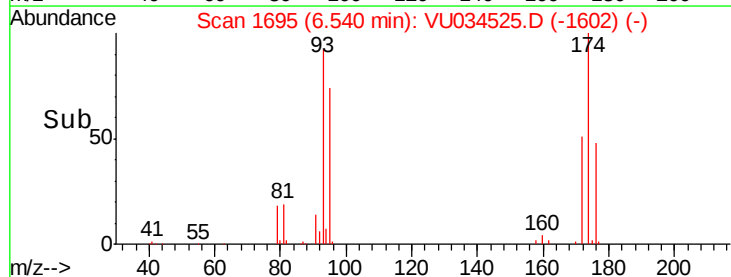
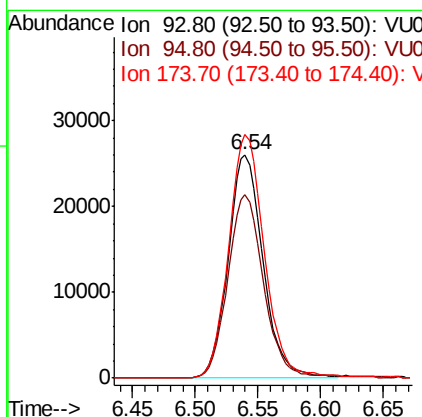
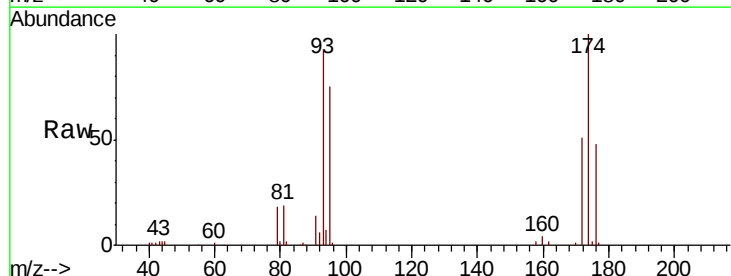
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBS04

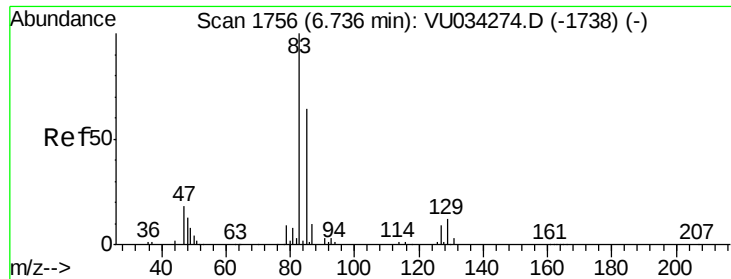
Tgt Ion: 63 Resp: 79687
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.6 37.0



#46
 Dibromomethane
 Concen: 21.171 ug/l
 RT: 6.54 min Scan# 1695
 Delta R.T. -0.00 min
 Lab File: VU034525.D
 Acq: 12 Sep 2019 17:14

Tgt Ion: 93 Resp: 50383
 Ion Ratio Lower Upper
 93 100
 95 84.9 66.5 99.7
 174 110.9 87.8 131.6

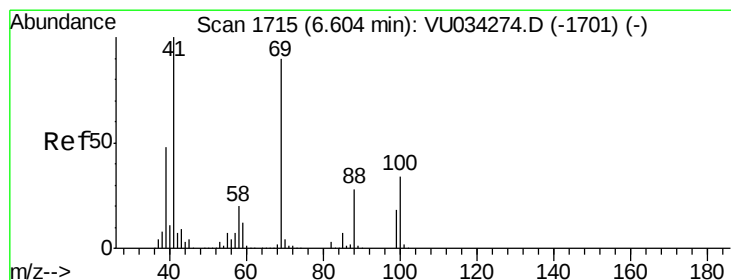
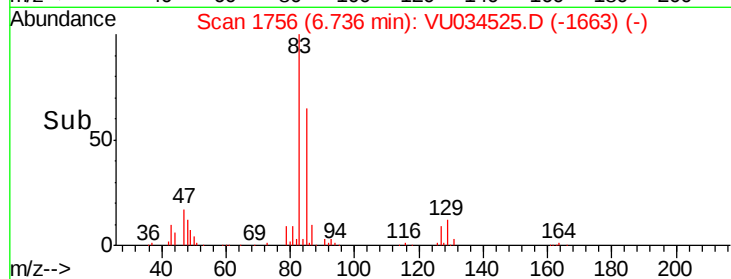
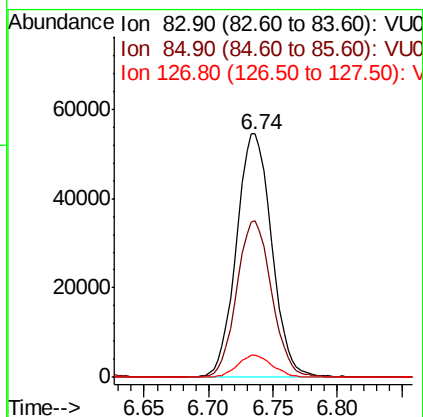
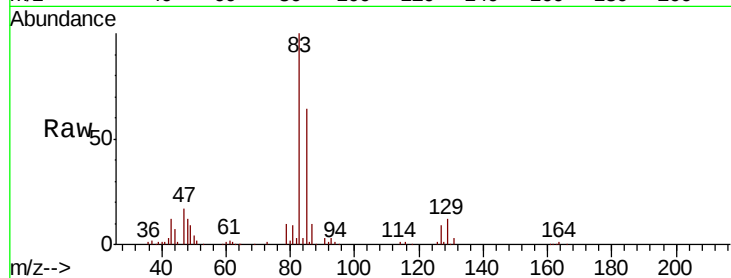




#47
Bromodichloromethane
Concen: 21.238 ug/l
RT: 6.74 min Scan# 1756
Delta R.T. -0.00 min
Lab File: VU034525.D
Acq: 12 Sep 2019 17:14

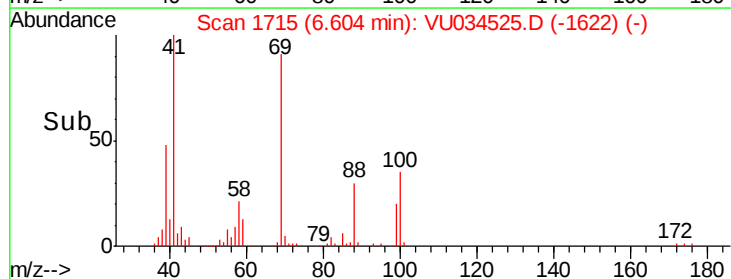
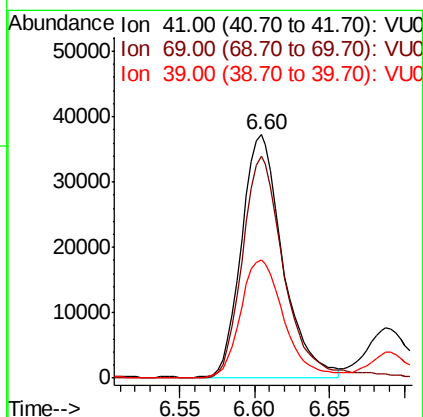
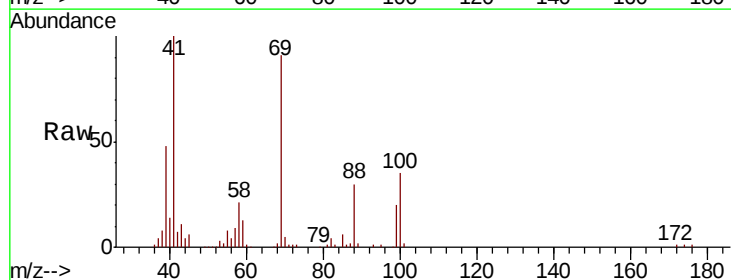
Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS04

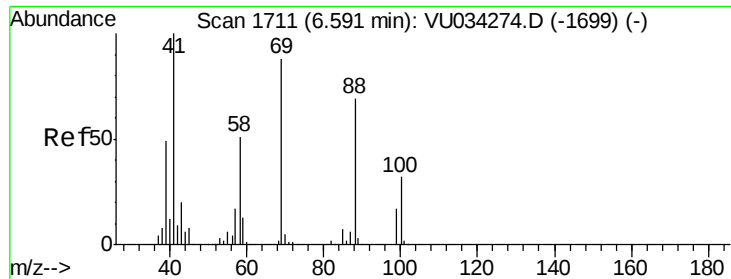
Tgt Ion: 83 Resp: 104035
Ion Ratio Lower Upper
83 100
85 64.5 51.1 76.7
127 9.2 7.2 10.8



#48
Methyl methacrylate
Concen: 20.130 ug/l
RT: 6.60 min Scan# 1715
Delta R.T. -0.00 min
Lab File: VU034525.D
Acq: 12 Sep 2019 17:14

Tgt Ion: 41 Resp: 70874
Ion Ratio Lower Upper
41 100
69 92.0 72.8 109.2
39 50.8 38.6 58.0





#49

1,4-Dioxane

Concen: 426.387 ug/l

RT: 6.59 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VU034525.D

Acq: 12 Sep 2019 17:14

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBS04

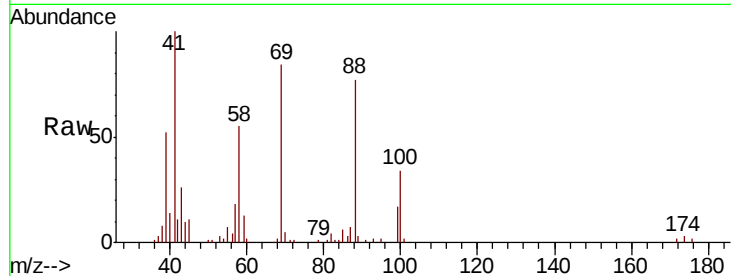
Tgt Ion: 88 Resp: 32781

Ion Ratio Lower Upper

88 100

43 30.7 23.8 35.6

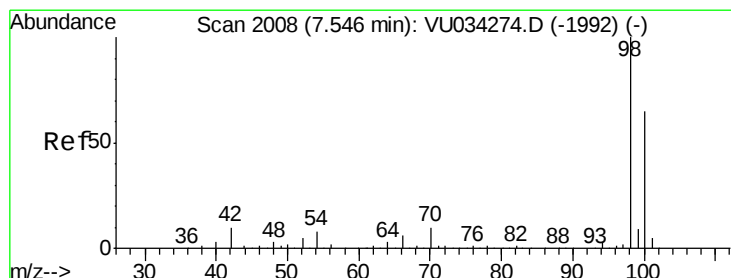
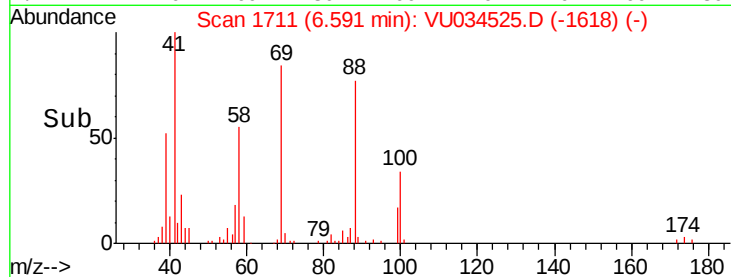
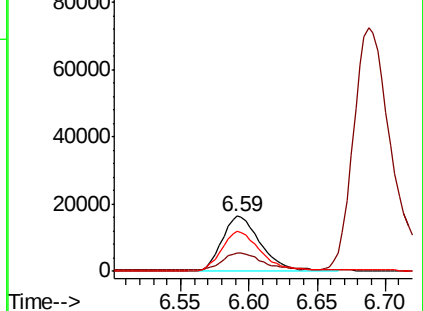
58 72.4 58.4 87.6



Abundance Ion 88.00 (87.70 to 88.70): VU034274.D (-1699) (-)

Ion 43.00 (42.70 to 43.70): VU034274.D (-1699) (-)

Ion 58.00 (57.70 to 58.70): VU034274.D (-1699) (-)



#50

Toluene-d8

Concen: 50.374 ug/l

RT: 7.54 min Scan# 2007

Delta R.T. -0.00 min

Lab File: VU034525.D

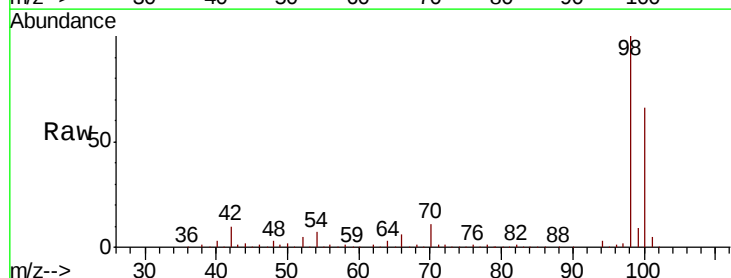
Acq: 12 Sep 2019 17:14

Tgt Ion: 98 Resp: 652609

Ion Ratio Lower Upper

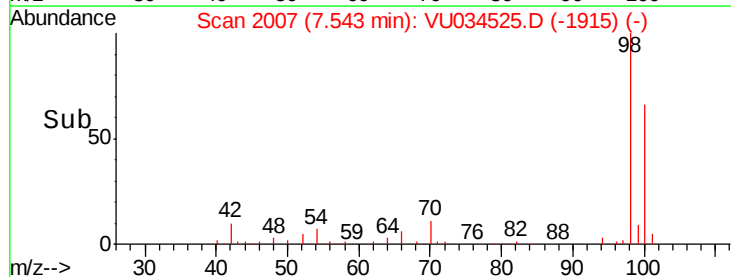
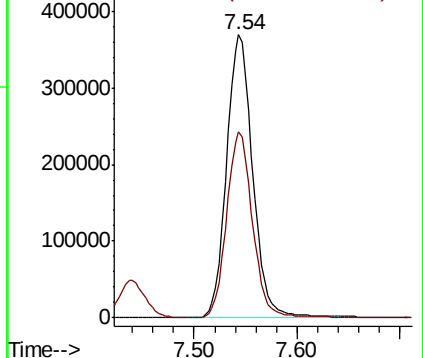
98 100

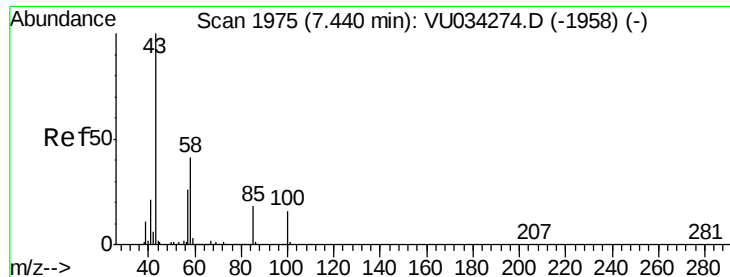
100 64.2 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VU034274.D (-1992) (-)

Ion 100.00 (99.70 to 100.70): VU034274.D (-1992) (-)

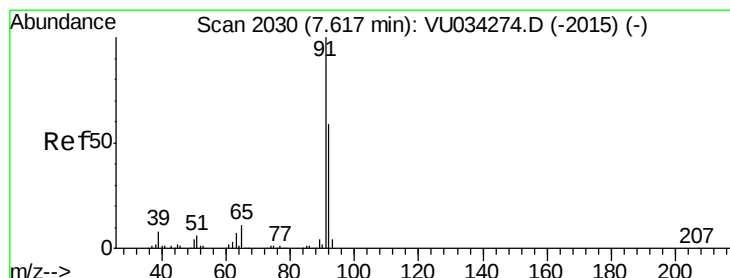
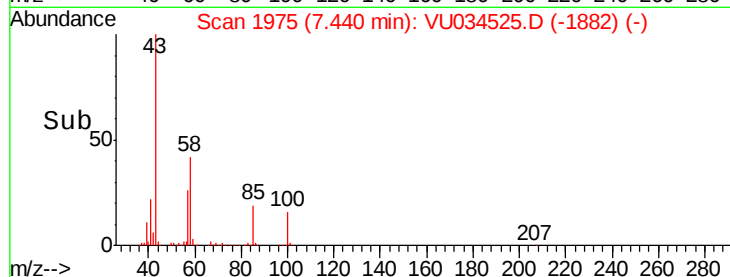
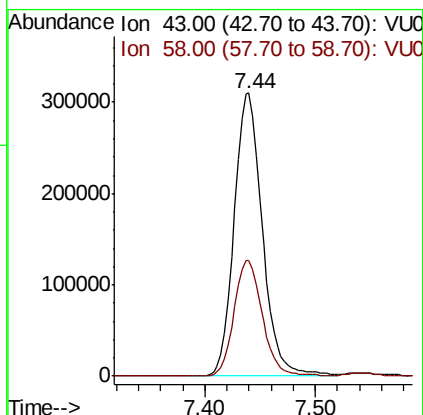
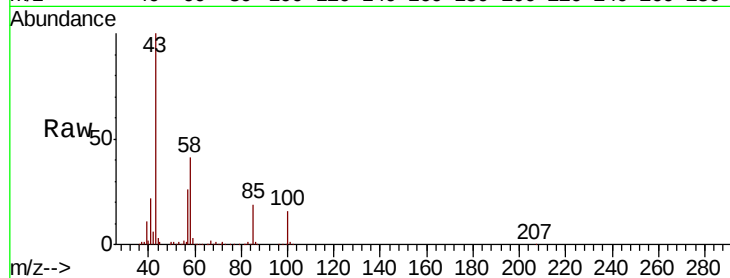




#51
 4-Methyl-2-Pentanone
 Concen: 106.838 ug/l
 RT: 7.44 min Scan# 1975
 Delta R.T. -0.00 min
 Lab File: VU034525.D
 Acq: 12 Sep 2019 17:14

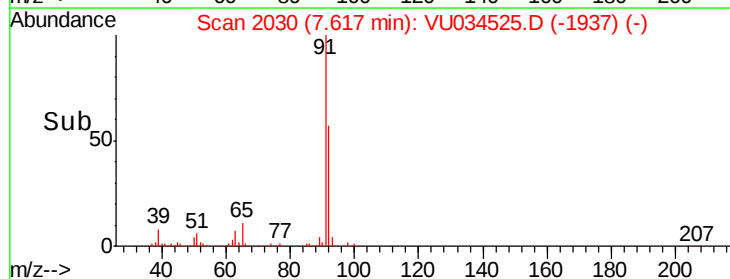
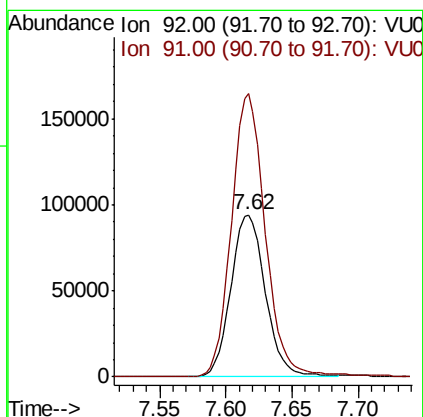
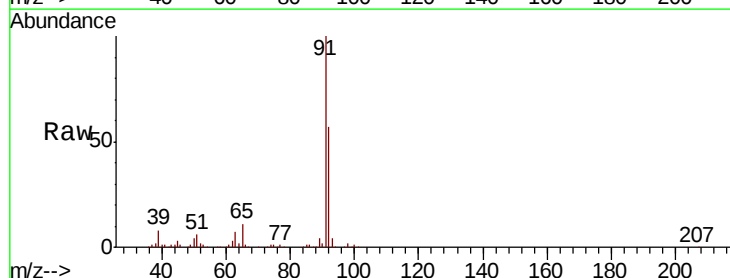
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBS04

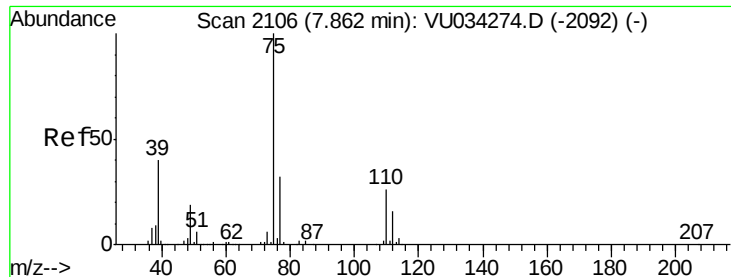
Tgt Ion: 43 Resp: 548199
 Ion Ratio Lower Upper
 43 100
 58 41.3 33.0 49.4



#52
 Toluene
 Concen: 20.993 ug/l
 RT: 7.62 min Scan# 2030
 Delta R.T. -0.00 min
 Lab File: VU034525.D
 Acq: 12 Sep 2019 17:14

Tgt Ion: 92 Resp: 170785
 Ion Ratio Lower Upper
 92 100
 91 171.7 136.6 205.0

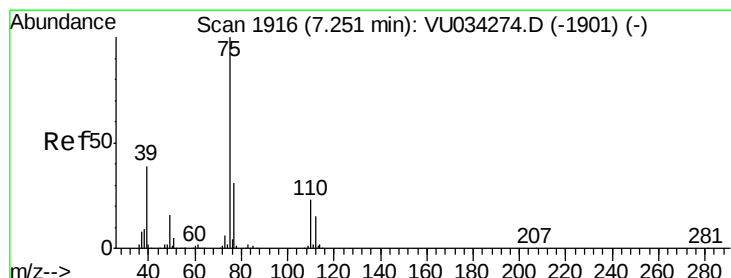
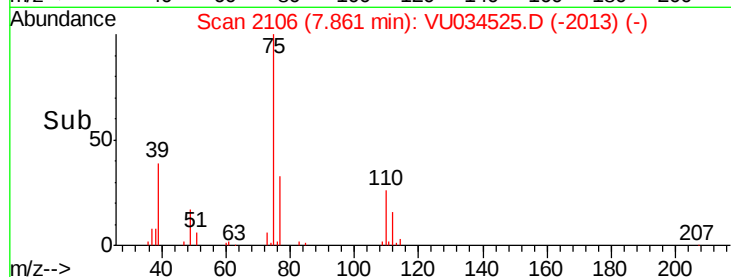
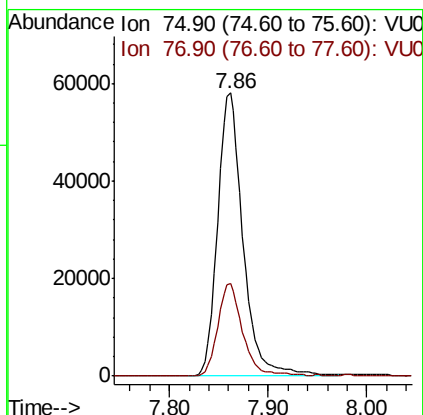
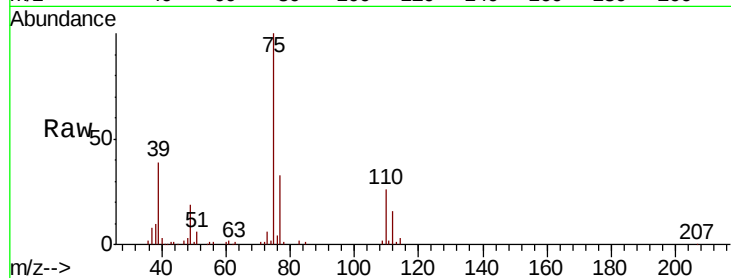




#53
 t-1,3-Dichloropropene
 Concen: 20.702 ug/l
 RT: 7.86 min Scan# 2106
 Delta R.T. -0.00 min
 Lab File: VU034525.D
 Acq: 12 Sep 2019 17:14

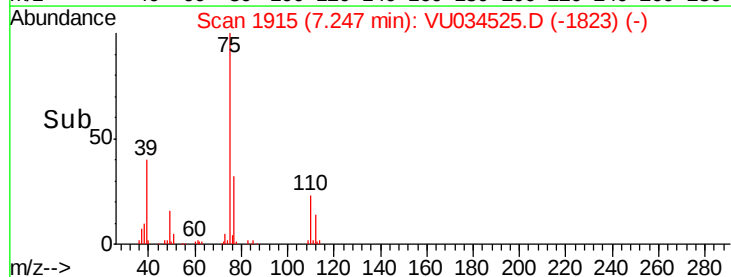
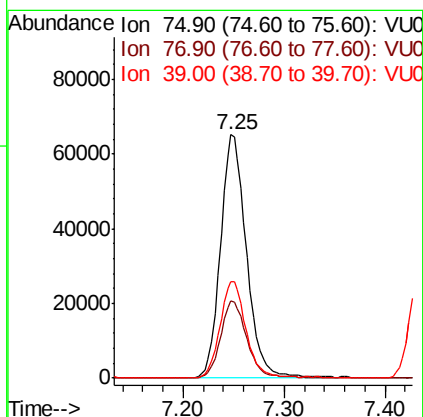
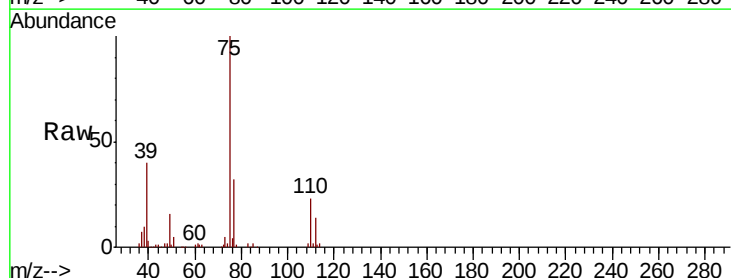
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBS04

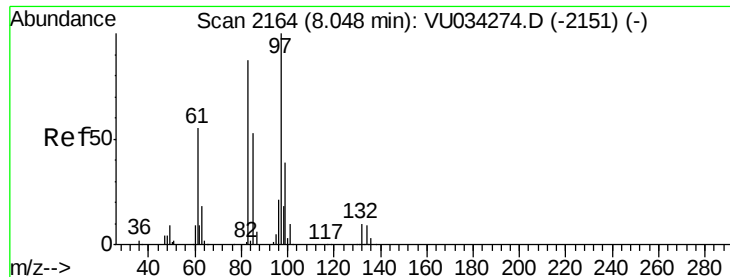
Tgt Ion: 75 Resp: 105125
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.7 38.5



#54
 cis-1,3-Dichloropropene
 Concen: 21.122 ug/l
 RT: 7.25 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VU034525.D
 Acq: 12 Sep 2019 17:14

Tgt Ion: 75 Resp: 117718
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.1 37.7
 39 39.8 31.2 46.8





#55

1,1,2-Trichloroethane

Concen: 21.646 ug/l

RT: 8.05 min Scan# 2164

Delta R.T. -0.00 min

Lab File: VU034525.D

Acq: 12 Sep 2019 17:14

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBS04

Tgt Ion: 97 Resp: 79961

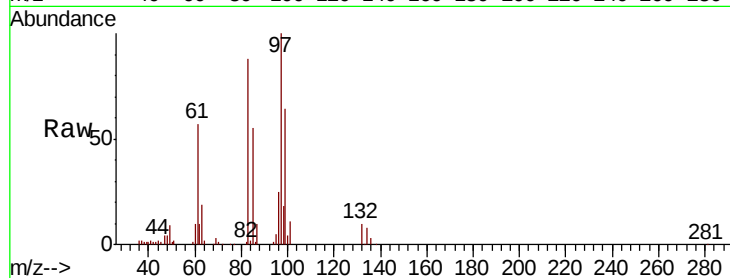
Ion Ratio Lower Upper

97 100

83 87.5 69.0 103.6

85 55.0 44.2 66.2

99 63.0 49.4 74.0

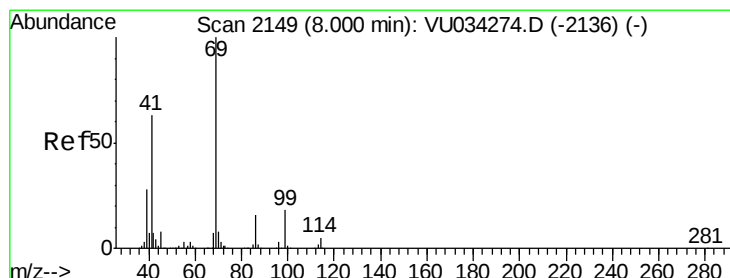
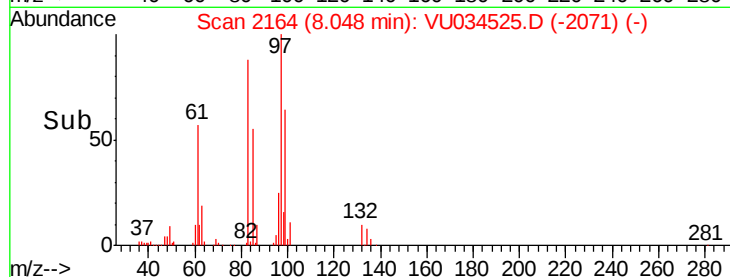
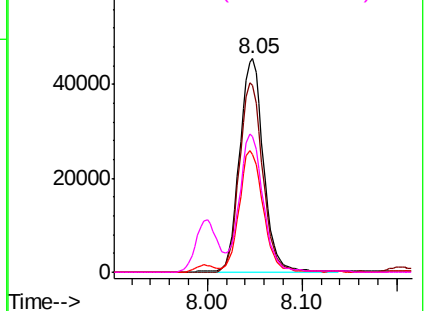


Abundance Ion 96.90 (96.60 to 97.60): VU0

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: 20.938 ug/l

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VU034525.D

Acq: 12 Sep 2019 17:14

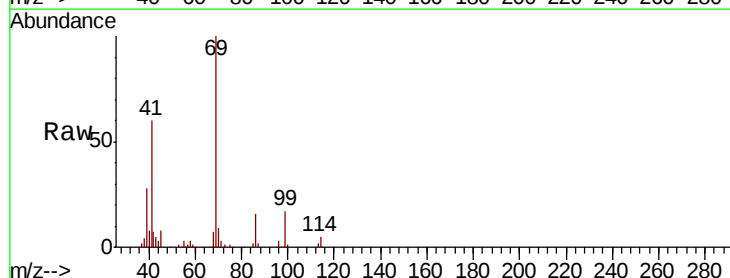
Tgt Ion: 69 Resp: 106814

Ion Ratio Lower Upper

69 100

41 61.3 49.5 74.3

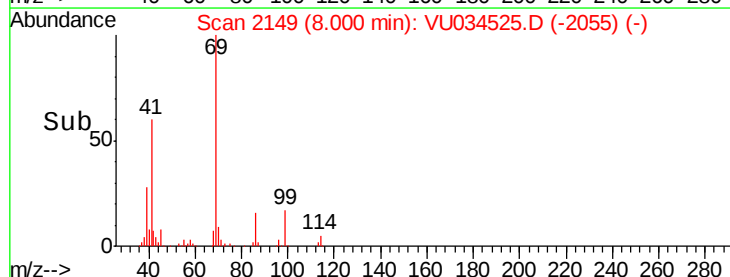
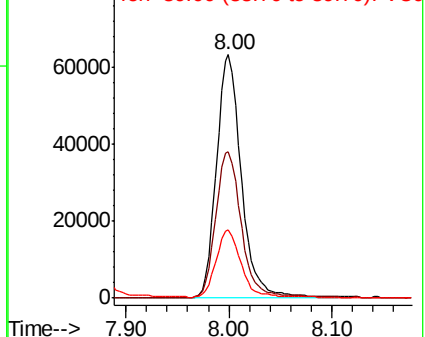
39 27.2 22.5 33.7

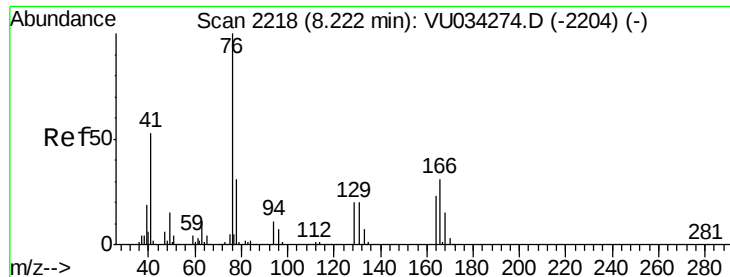


Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0





#57

1,3-Dichloropropane

Concen: 21.168 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU034525.D

Acq: 12 Sep 2019 17:14

Instrument :

MSVOA_U

ClientSampleId :

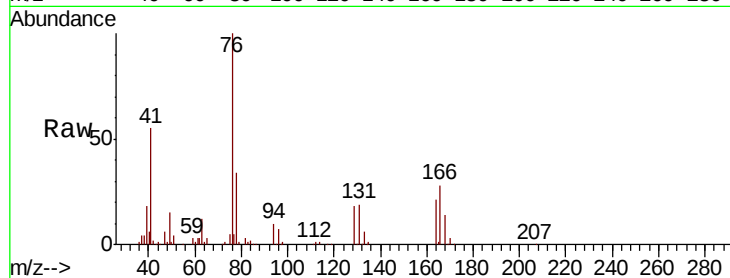
VU0912WBS04

Tgt Ion: 76 Resp: 127330

Ion Ratio Lower Upper

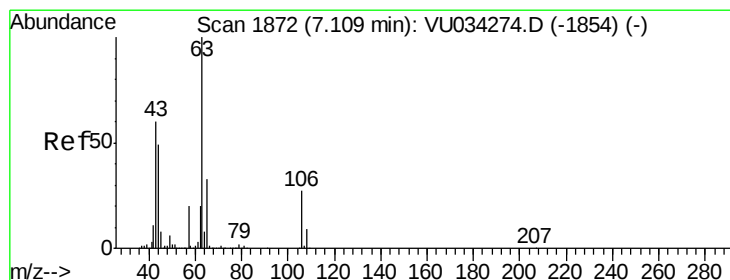
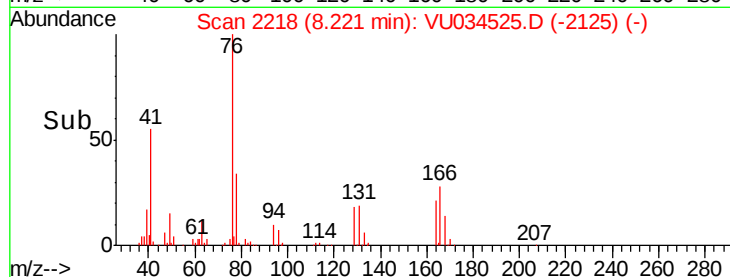
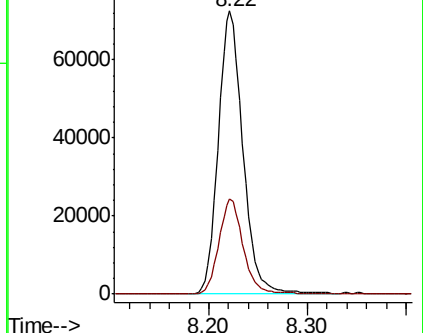
76 100

78 33.3 25.4 38.2



Abundance Ion 75.90 (75.60 to 76.60): VU034274.D (-2204) (-)

Ion 77.90 (77.60 to 78.60): VU034274.D (-2204) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 93.288 ug/l

RT: 7.11 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VU034525.D

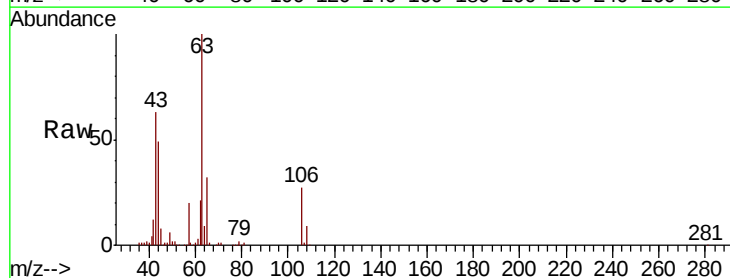
Acq: 12 Sep 2019 17:14

Tgt Ion: 63 Resp: 155945

Ion Ratio Lower Upper

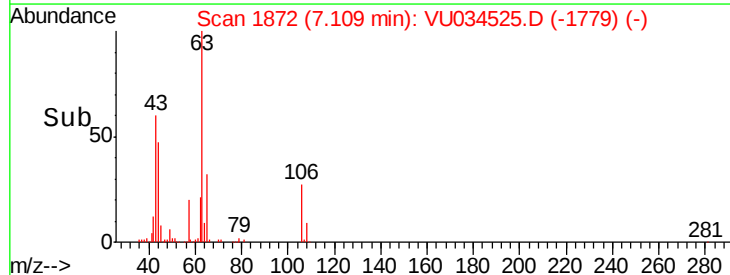
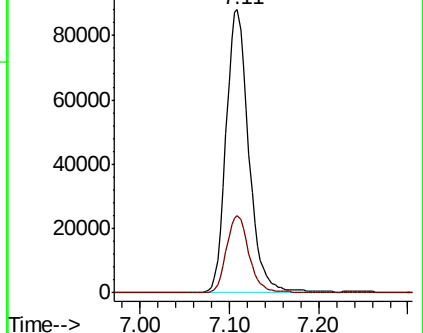
63 100

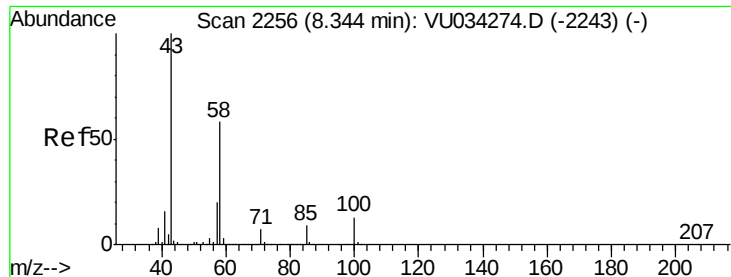
106 27.1 21.6 32.4



Abundance Ion 62.90 (62.60 to 63.60): VU034274.D (-1854) (-)

Ion 105.90 (105.60 to 106.60): VU034274.D (-1854) (-)

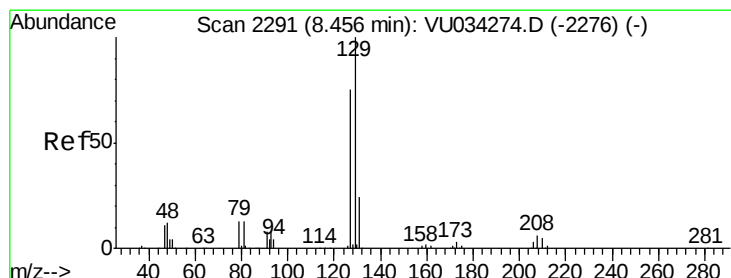
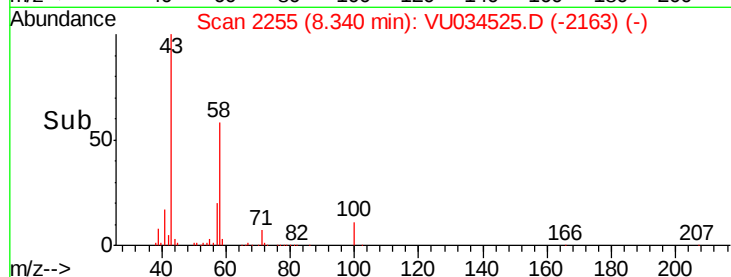
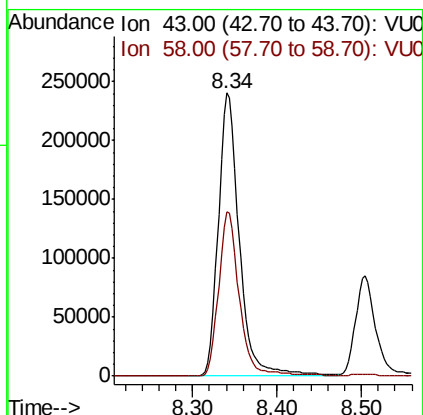
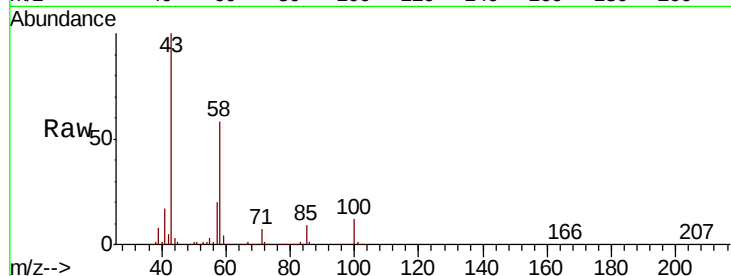




#59
2-Hexanone
Concen: 108.334 ug/l
RT: 8.34 min Scan# 2255
Delta R.T. -0.00 min
Lab File: VU034525.D
Acq: 12 Sep 2019 17:14

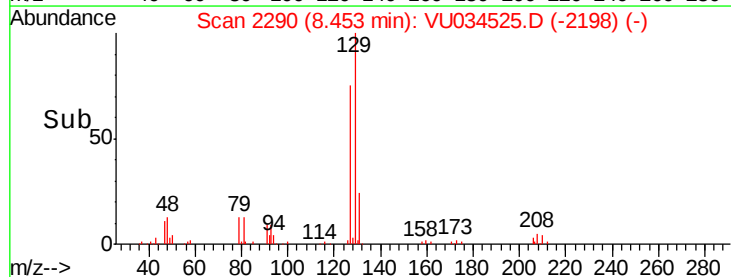
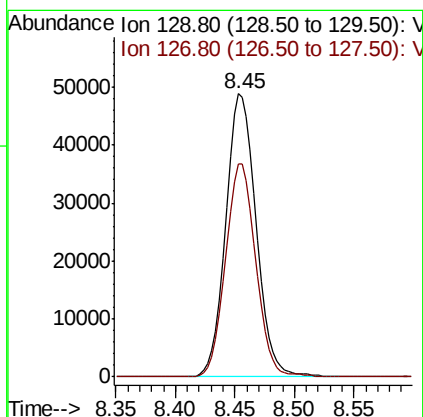
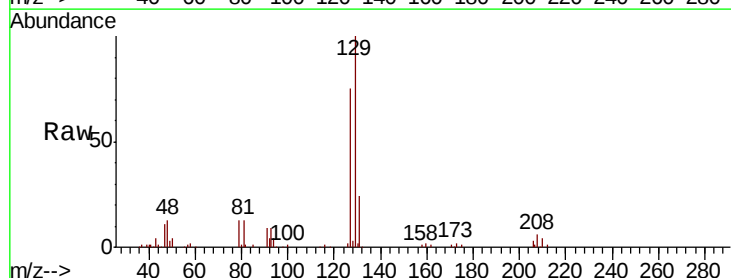
Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS04

Tgt Ion: 43 Resp: 415268
Ion Ratio Lower Upper
43 100
58 57.7 28.8 86.5



#60
Dibromochloromethane
Concen: 21.785 ug/l
RT: 8.45 min Scan# 2290
Delta R.T. -0.00 min
Lab File: VU034525.D
Acq: 12 Sep 2019 17:14

Tgt Ion: 129 Resp: 86314
Ion Ratio Lower Upper
129 100
127 75.1 37.9 113.7





#61

1,2-Dibromoethane

Concen: 21.005 ug/l

RT: 8.57 min Scan# 2325

Delta R.T. -0.00 min

Lab File: VU034525.D

Acq: 12 Sep 2019 17:14

Instrument :

MSVOA_U

ClientSampleId :

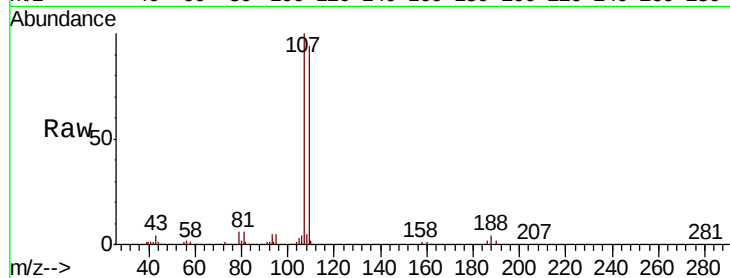
VU0912WBS04

Tgt Ion: 107 Resp: 75944

Ion Ratio Lower Upper

107 100

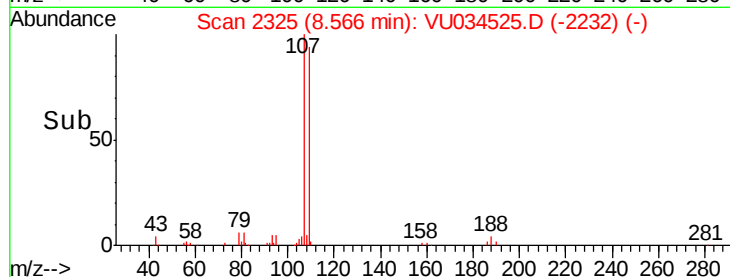
109 95.7 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.57



50000

40000

30000

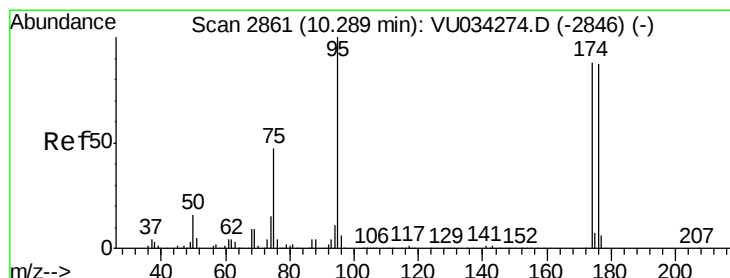
20000

10000

0

8.50 8.55 8.60 8.65

Time-->



#62

4-Bromofluorobenzene

Concen: 49.489 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VU034525.D

Acq: 12 Sep 2019 17:14

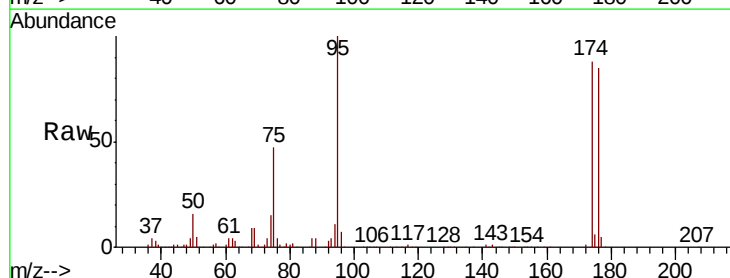
Tgt Ion: 95 Resp: 247543

Ion Ratio Lower Upper

95 100

174 87.4 0.0 175.2

176 84.5 0.0 168.0

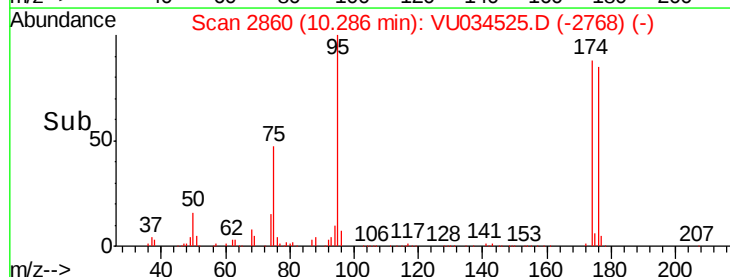


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

10.29



200000

150000

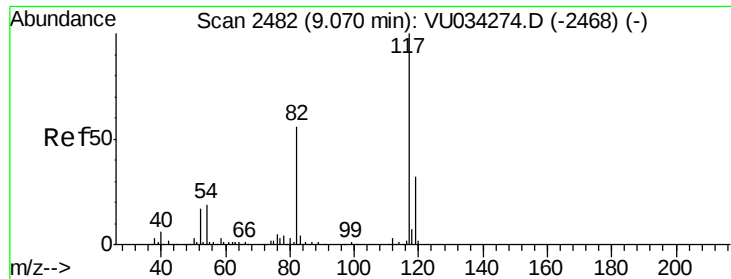
100000

50000

0

10.20 10.30 10.40

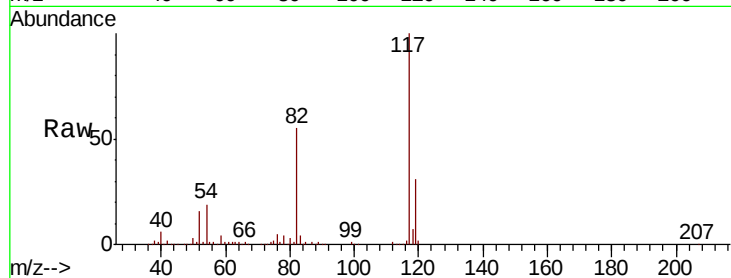
Time-->



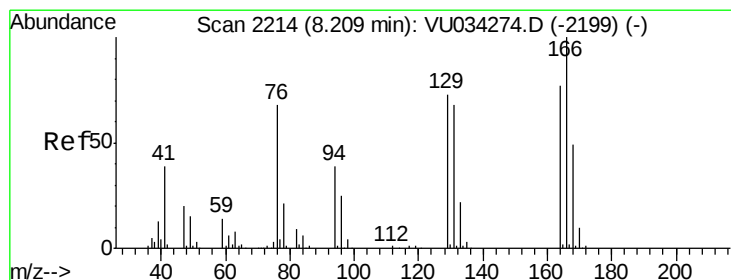
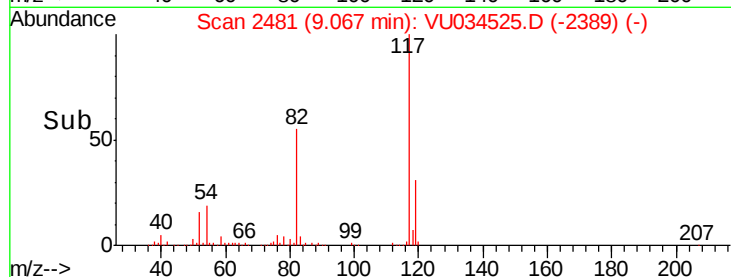
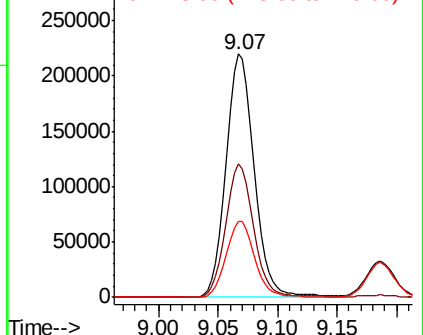
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2481
Delta R.T. -0.00 min
Lab File: VU034525.D
Acq: 12 Sep 2019 17:14

Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS04

Tgt Ion:117 Resp: 362691
Ion Ratio Lower Upper
117 100
82 54.7 44.6 67.0
119 31.3 25.9 38.9

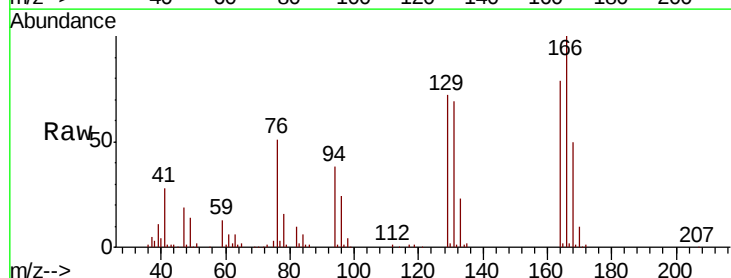


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

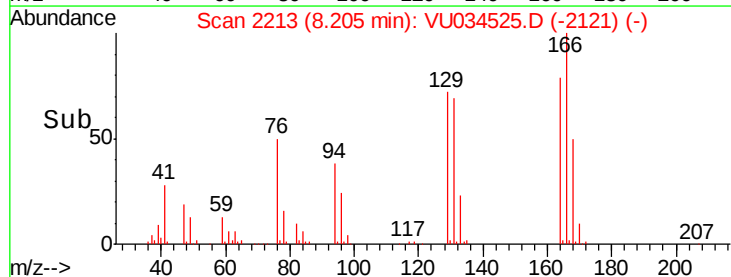
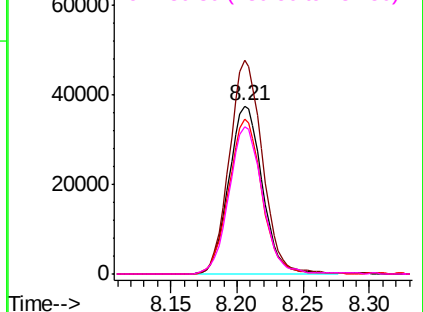


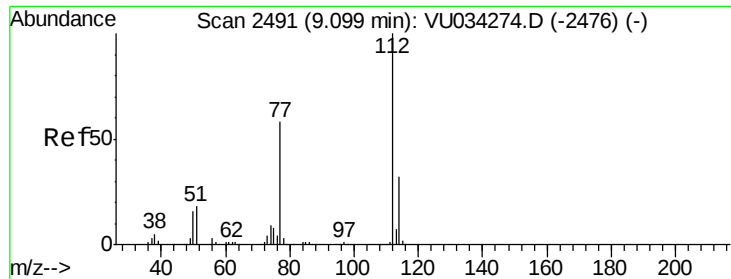
#64
Tetrachloroethene
Concen: 20.991 ug/l
RT: 8.21 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VU034525.D
Acq: 12 Sep 2019 17:14

Tgt Ion:164 Resp: 66049
Ion Ratio Lower Upper
164 100
166 127.0 103.7 155.5
129 91.8 75.8 113.8
131 87.9 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

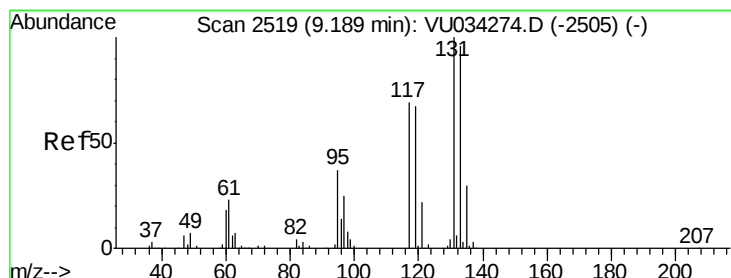
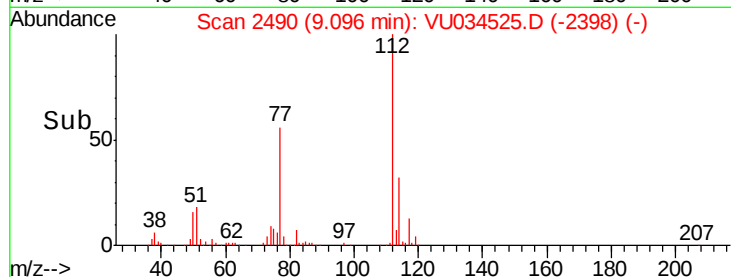
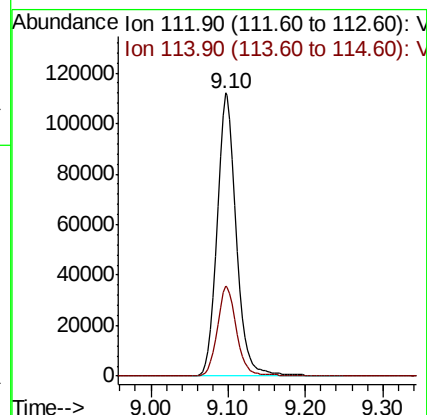
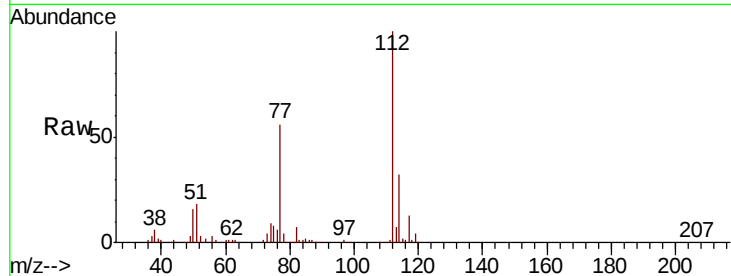




#65
Chlorobenzene
Concen: 21.510 ug/l
RT: 9.10 min Scan# 2490
Delta R.T. -0.00 min
Lab File: VU034525.D
Acq: 12 Sep 2019 17:14

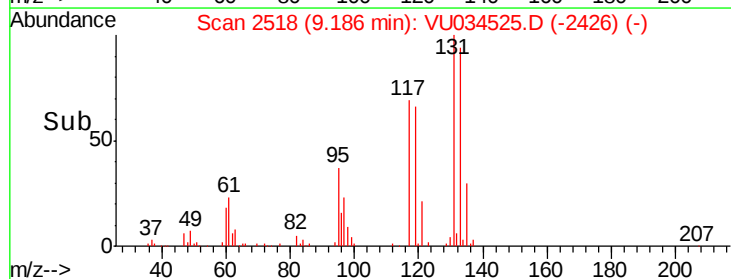
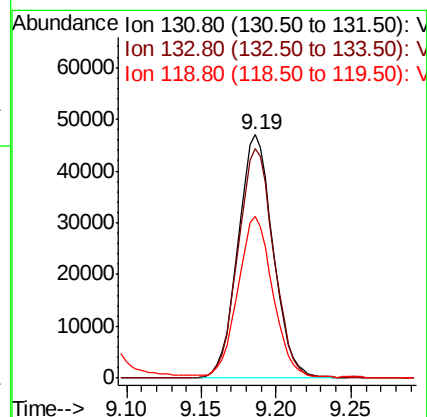
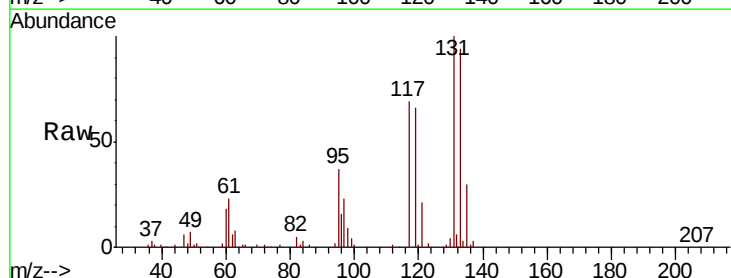
Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS04

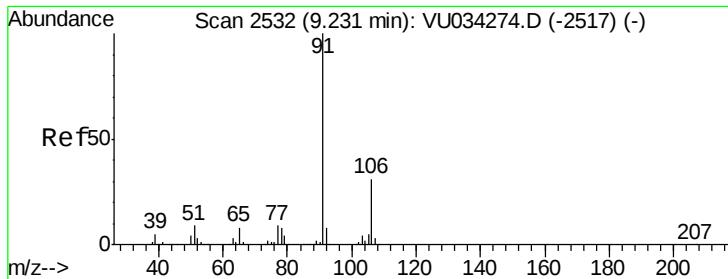
Tgt Ion:112 Resp: 197924
Ion Ratio Lower Upper
112 100
114 32.0 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 21.889 ug/l
RT: 9.19 min Scan# 2518
Delta R.T. -0.00 min
Lab File: VU034525.D
Acq: 12 Sep 2019 17:14

Tgt Ion:131 Resp: 76866
Ion Ratio Lower Upper
131 100
133 96.2 47.9 143.7
119 65.8 33.1 99.5

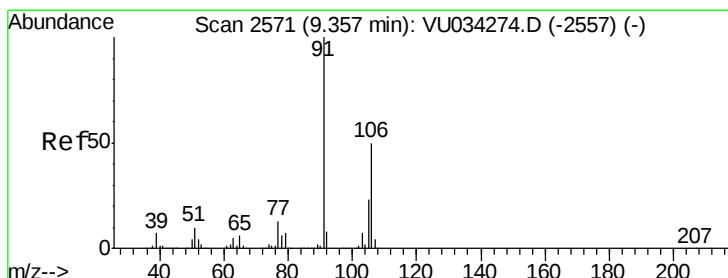
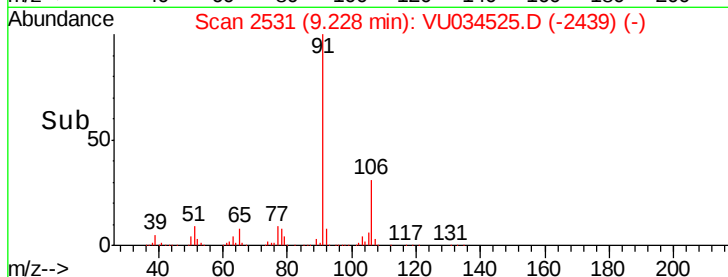
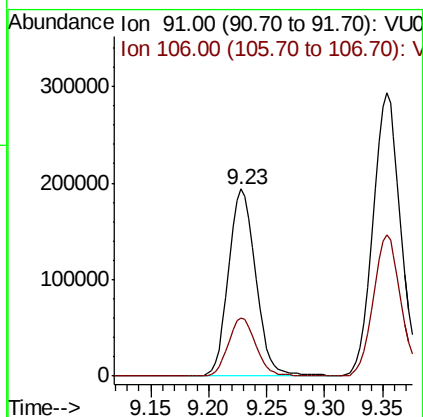
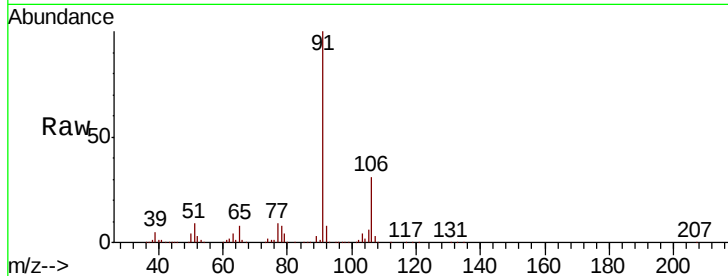




#67
Ethyl Benzene
Concen: 20.948 ug/l
RT: 9.23 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU034525.D
Acq: 12 Sep 2019 17:14

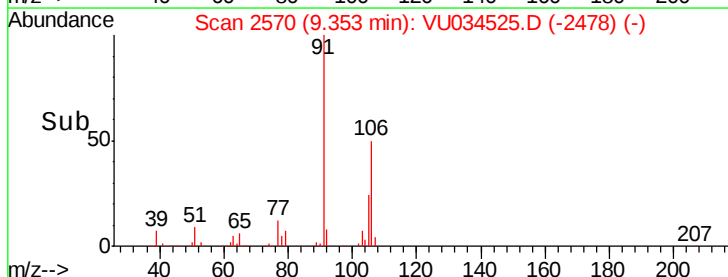
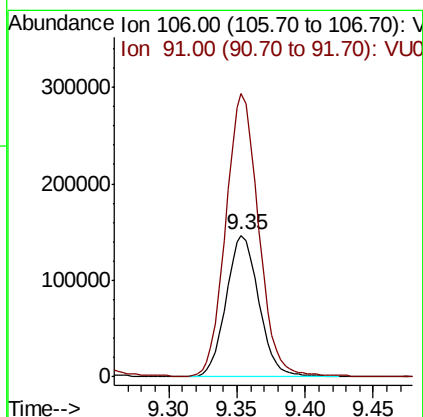
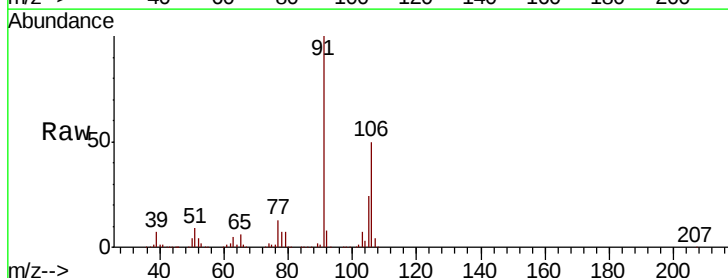
Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS04

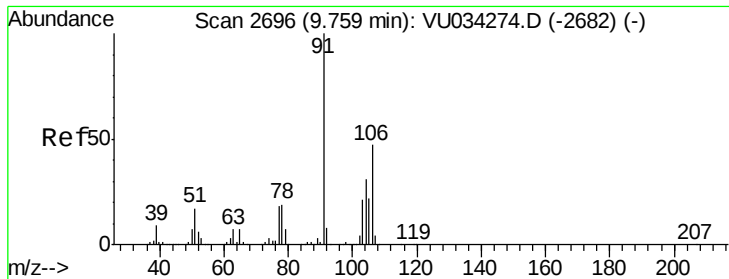
Tgt Ion: 91 Resp: 315168
Ion Ratio Lower Upper
91 100
106 31.3 24.8 37.2



#68
m/p-Xylenes
Concen: 43.052 ug/l
RT: 9.35 min Scan# 2570
Delta R.T. -0.00 min
Lab File: VU034525.D
Acq: 12 Sep 2019 17:14

Tgt Ion: 106 Resp: 243907
Ion Ratio Lower Upper
106 100
91 201.7 160.1 240.1

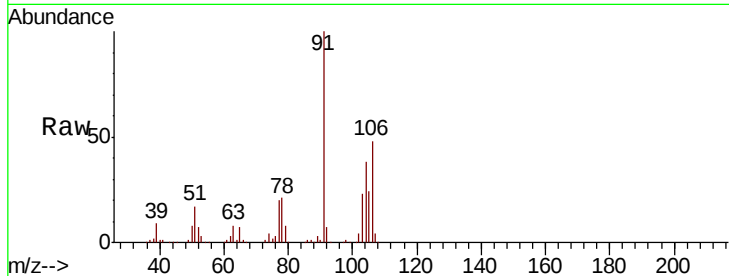




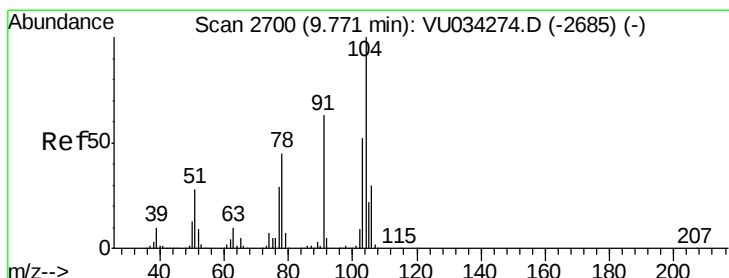
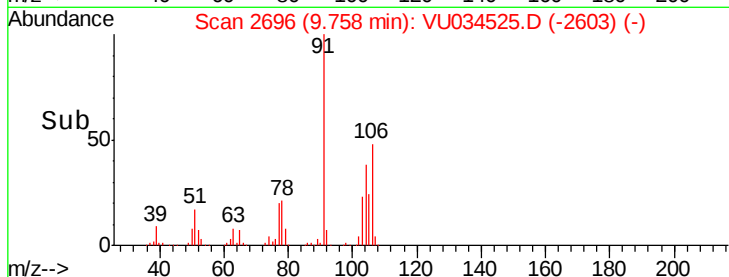
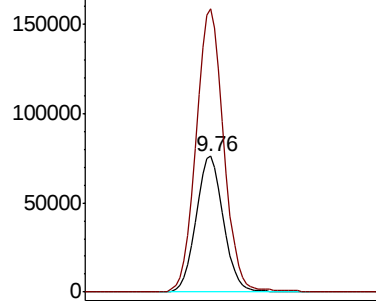
#69
o-Xylene
Concen: 21.782 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. -0.00 min
Lab File: VU034525.D
Acq: 12 Sep 2019 17:14

Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS04

Tgt Ion:106 Resp: 120685
Ion Ratio Lower Upper
106 100
91 209.6 105.1 315.3

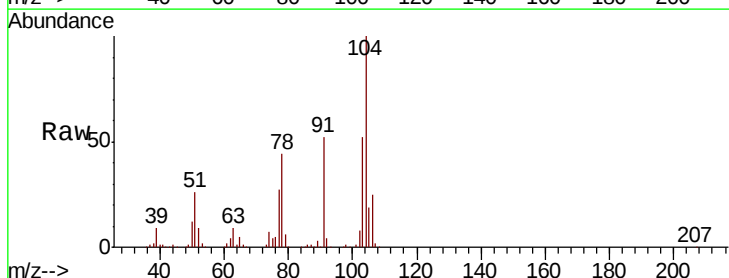


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

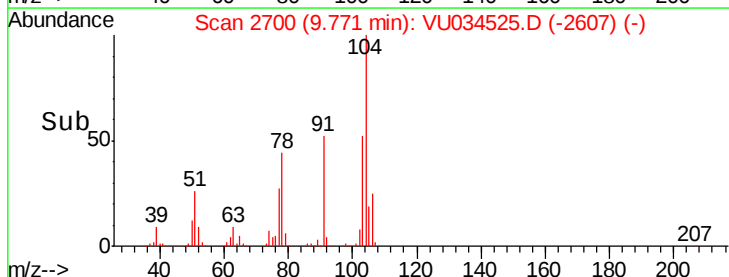
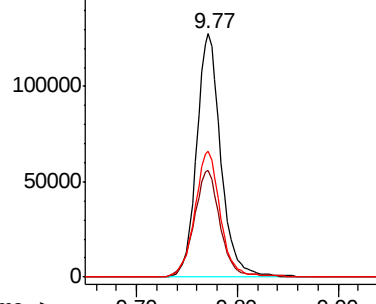


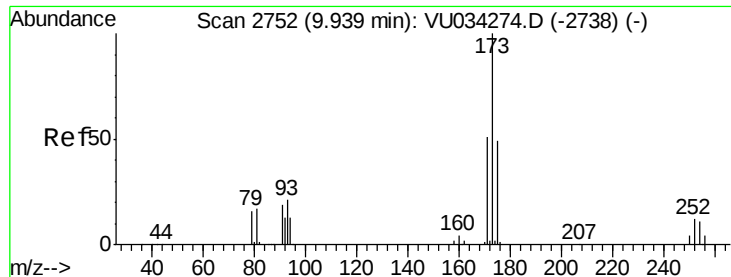
#70
Styrene
Concen: 22.064 ug/l
RT: 9.77 min Scan# 2700
Delta R.T. -0.00 min
Lab File: VU034525.D
Acq: 12 Sep 2019 17:14

Tgt Ion:104 Resp: 214334
Ion Ratio Lower Upper
104 100
78 47.5 38.6 57.8
103 54.2 44.2 66.4



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





#71

Bromoform

Concen: 21.732 ug/l

RT: 9.94 min Scan# 2751

Delta R.T. -0.00 min

Lab File: VU034525.D

Acq: 12 Sep 2019 17:14

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBS04

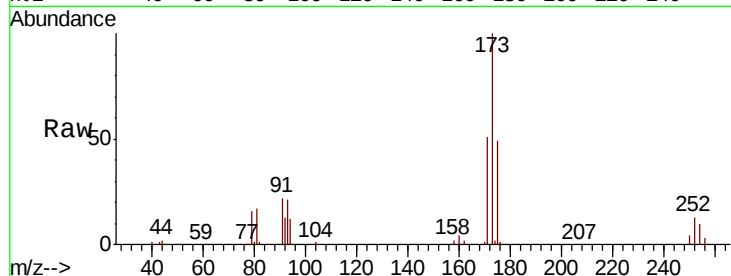
Tgt Ion:173 Resp: 66139

Ion Ratio Lower Upper

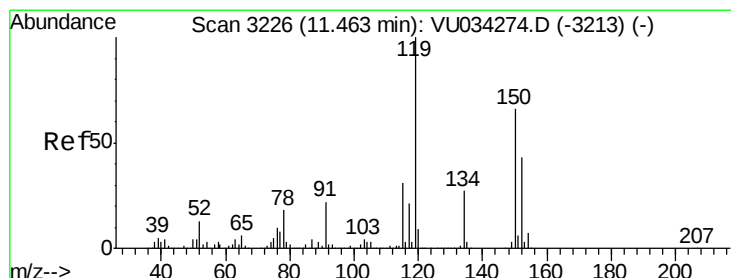
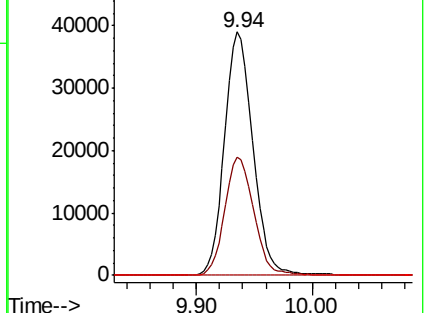
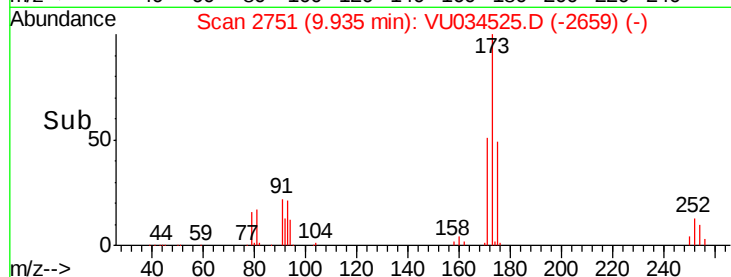
173 100

175 49.3 24.4 73.2

254 0.0 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# 3225

Delta R.T. -0.00 min

Lab File: VU034525.D

Acq: 12 Sep 2019 17:14

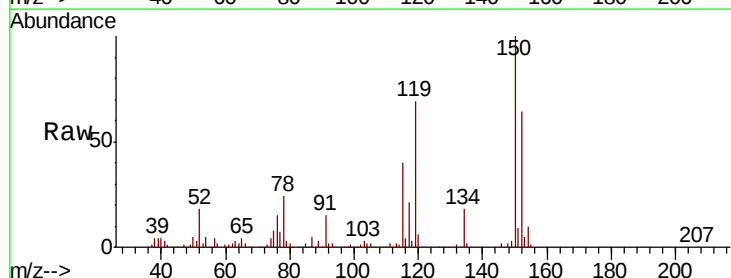
Tgt Ion:152 Resp: 242502

Ion Ratio Lower Upper

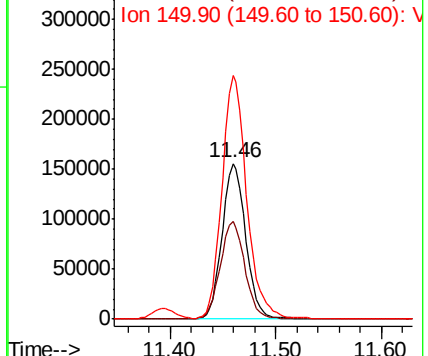
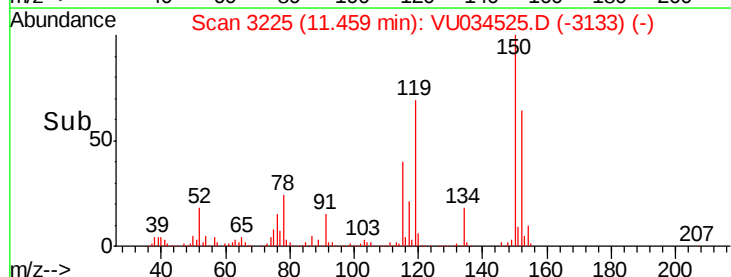
152 100

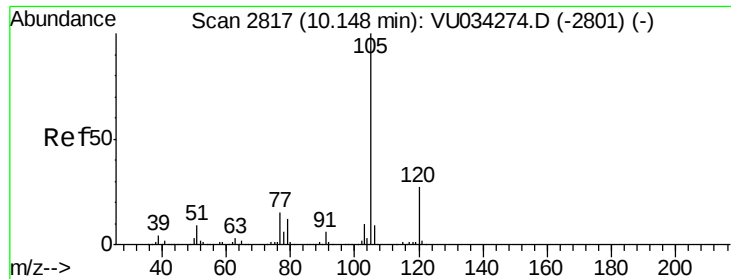
115 65.2 39.1 117.3

150 162.1 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: 21.054 ug/l

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034525.D

Acq: 12 Sep 2019 17:14

Instrument :

MSVOA_U

ClientSampleId :

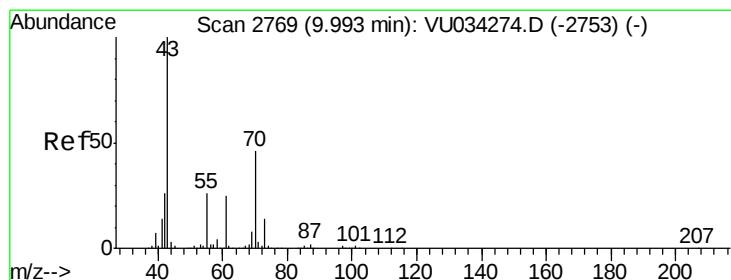
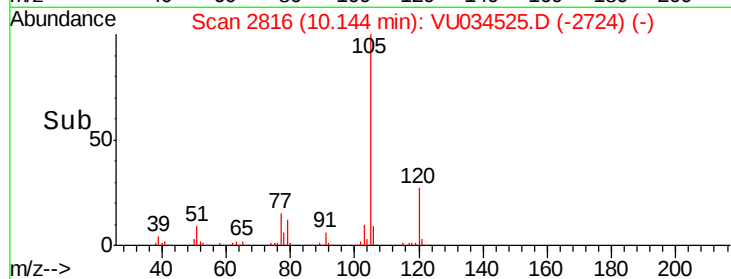
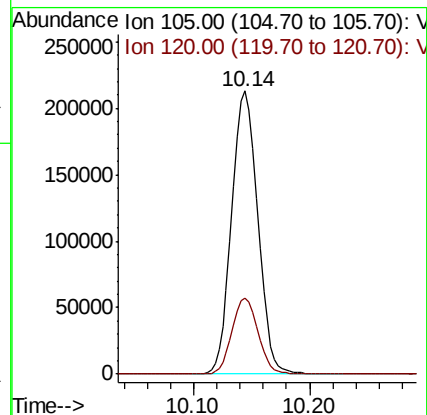
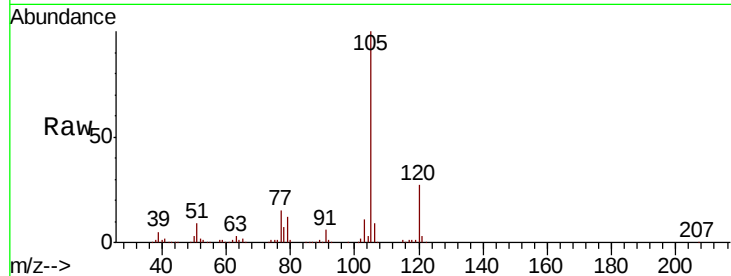
VU0912WBS04

Tgt Ion: 105 Resp: 332259

Ion Ratio Lower Upper

105 100

120 26.7 13.4 40.2



#74

N-ethyl acetate

Concen: 21.033 ug/l

RT: 9.99 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VU034525.D

Acq: 12 Sep 2019 17:14

Tgt Ion: 43 Resp: 133613

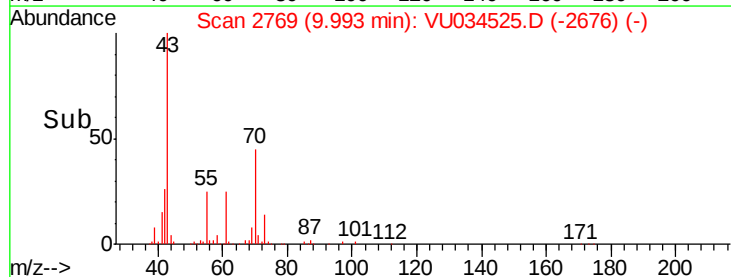
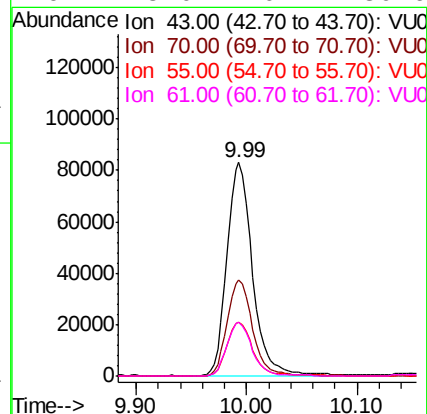
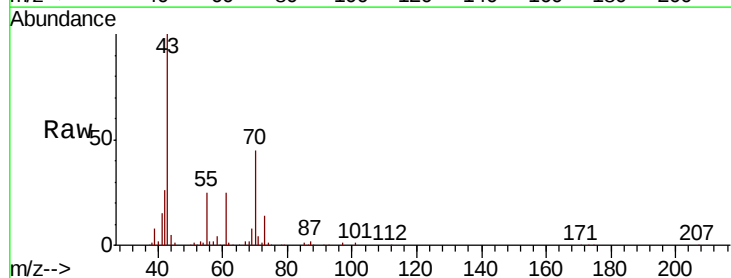
Ion Ratio Lower Upper

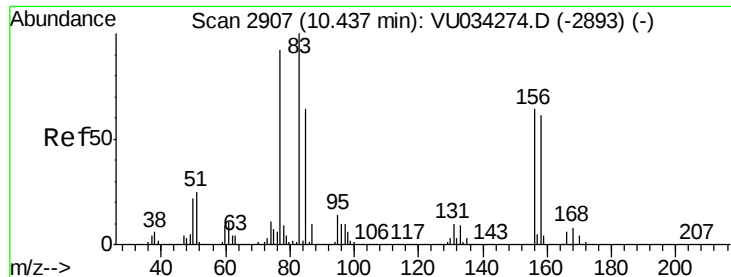
43 100

70 45.1 36.4 54.6

55 25.6 21.2 31.8

61 25.0 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.065 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034525.D

Acq: 12 Sep 2019 17:14

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBS04

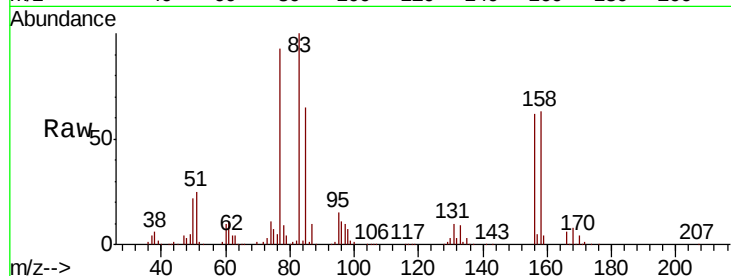
Tgt Ion: 83 Resp: 134563

Ion Ratio Lower Upper

83 100

131 10.1 5.1 15.2

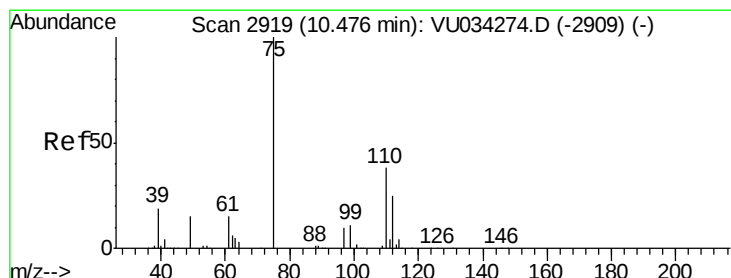
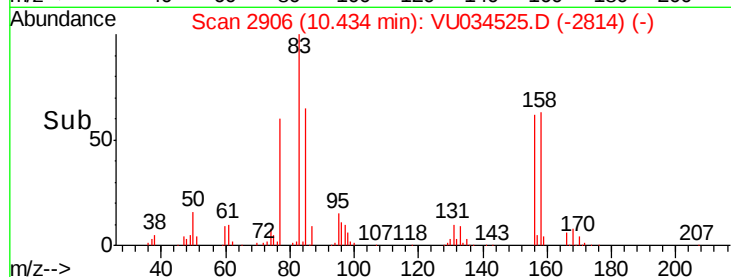
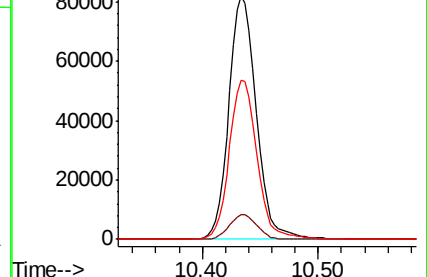
85 65.9 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VU034525.D (-2893) (-)

Ion 130.80 (130.50 to 131.50): VU034525.D (-2893) (-)

Ion 84.90 (84.60 to 85.60): VU034525.D (-2893) (-)



#76

1,2,3-Trichloropropane

Concen: 27.244 ug/l

RT: 10.47 min Scan# 2918

Delta R.T. -0.00 min

Lab File: VU034525.D

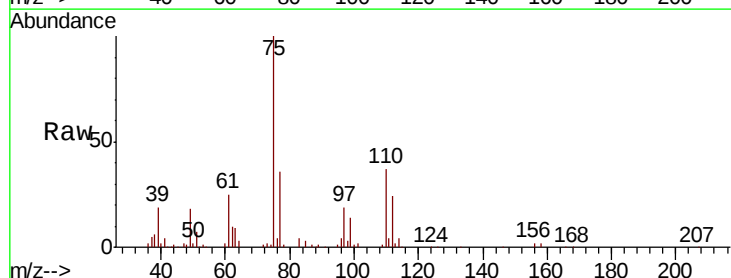
Acq: 12 Sep 2019 17:14

Tgt Ion: 75 Resp: 144212

Ion Ratio Lower Upper

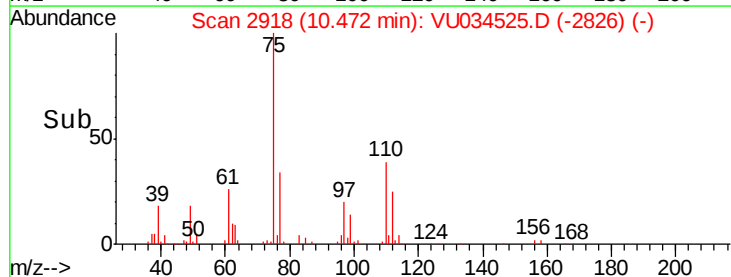
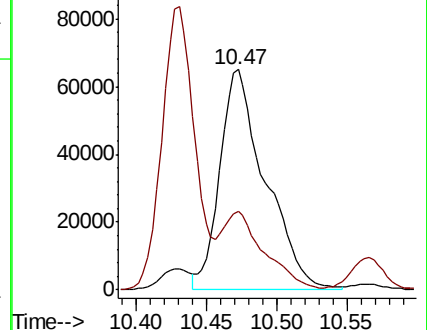
75 100

77 33.0 20.8 62.2



Abundance Ion 74.90 (74.60 to 75.60): VU034525.D (-2826) (-)

Ion 77.00 (76.70 to 77.70): VU034525.D (-2826) (-)





#77

Bromobenzene

Concen: 21.006 ug/l

RT: 10.43 min Scan# 2905

Delta R.T. -0.00 min

Lab File: VU034525.D

Acq: 12 Sep 2019 17:14

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBS04

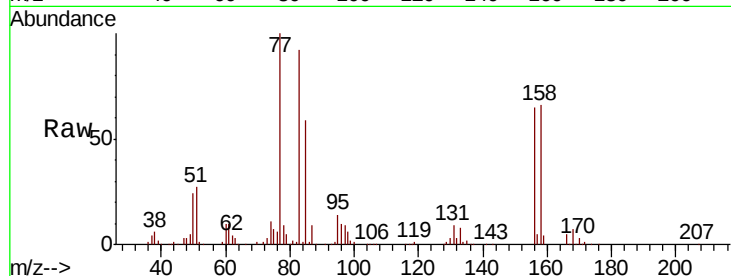
Tgt Ion:156 Resp: 92694

Ion Ratio Lower Upper

156 100

77 149.0 75.6 226.9

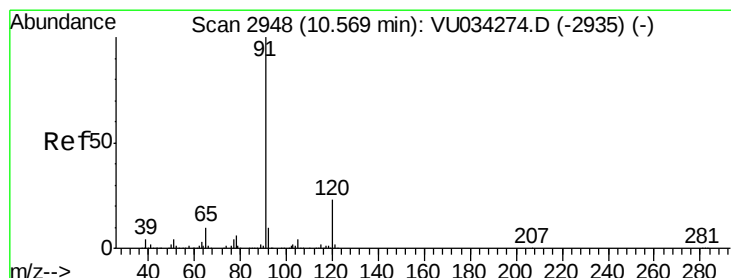
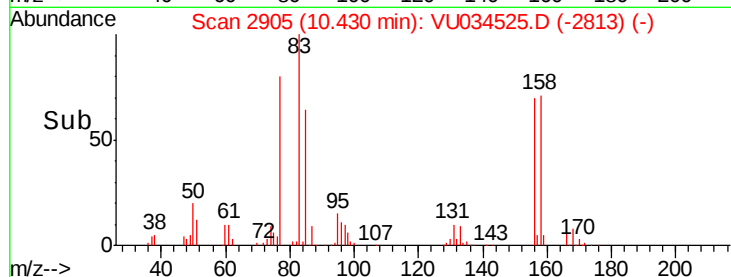
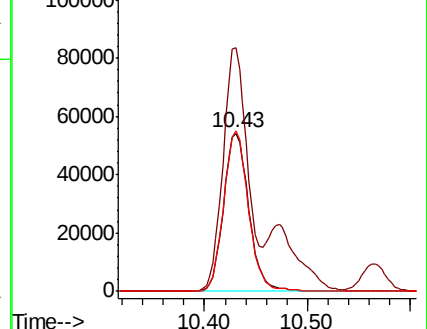
158 99.1 48.2 144.6



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: 20.997 ug/l

RT: 10.57 min Scan# 2947

Delta R.T. -0.00 min

Lab File: VU034525.D

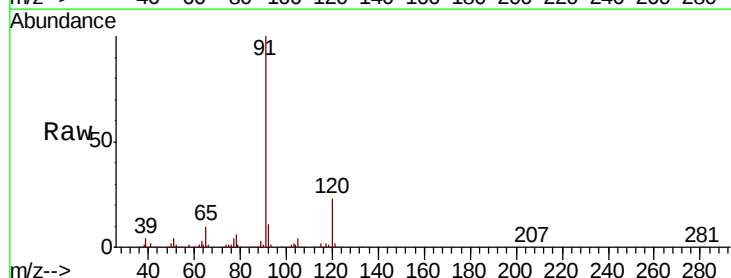
Acq: 12 Sep 2019 17:14

Tgt Ion: 91 Resp: 382691

Ion Ratio Lower Upper

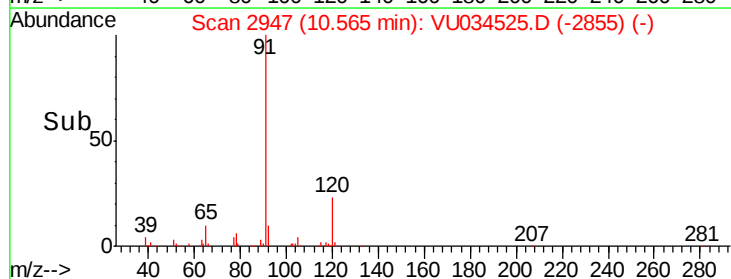
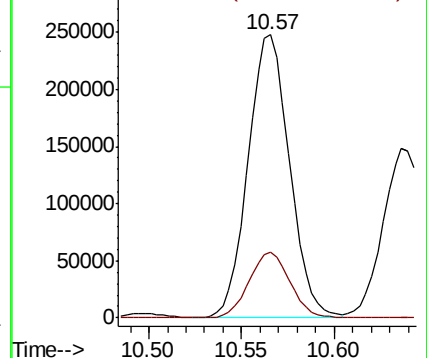
91 100

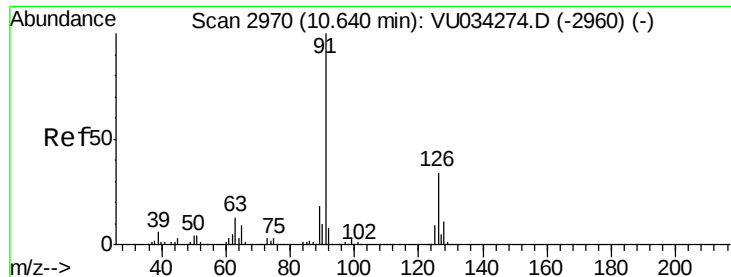
120 23.2 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.078 ug/l

RT: 10.64 min Scan# 2969

Delta R.T. -0.00 min

Lab File: VU034525.D

Acq: 12 Sep 2019 17:14

Instrument :

MSVOA_U

ClientSampleId :

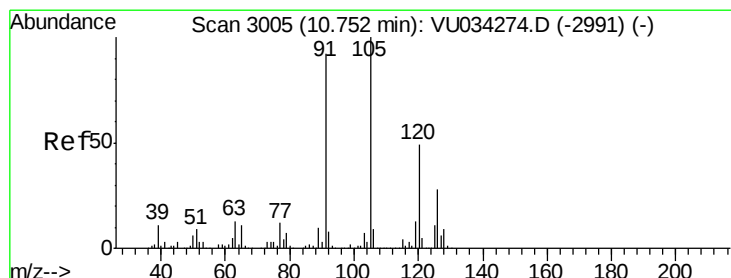
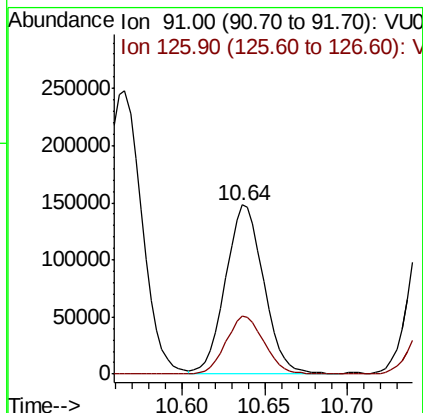
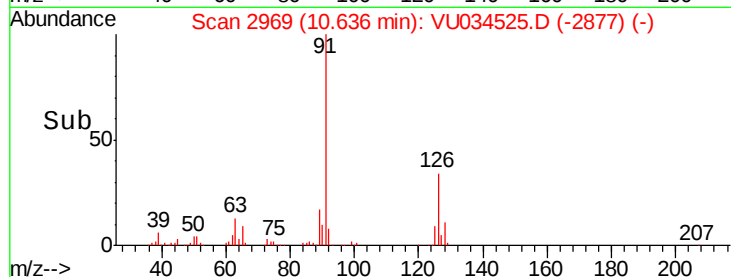
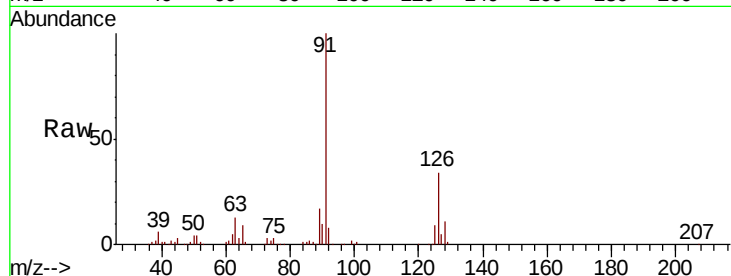
VU0912WBS04

Tgt Ion: 91 Resp: 234401

Ion Ratio Lower Upper

91 100

126 34.7 17.3 51.9



#80

1,3,5-Trimethylbenzene

Concen: 21.717 ug/l

RT: 10.75 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VU034525.D

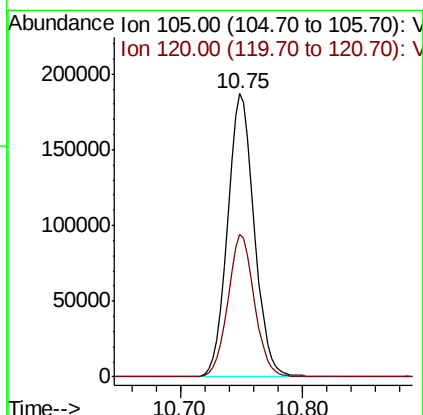
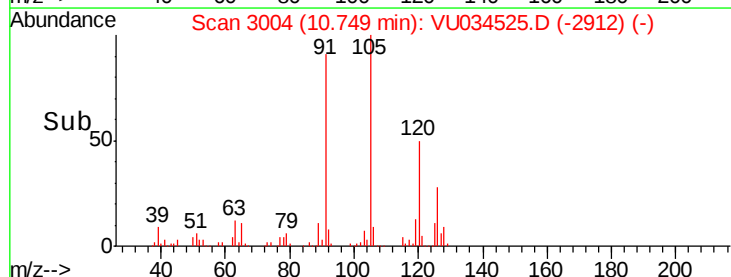
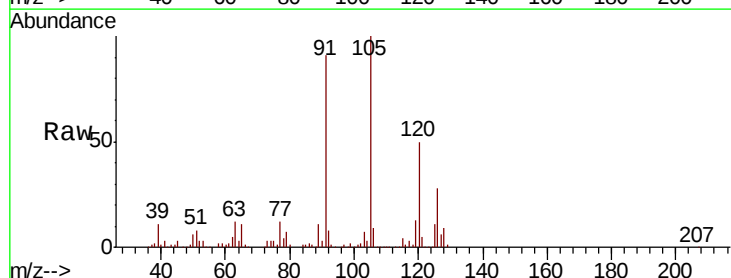
Acq: 12 Sep 2019 17:14

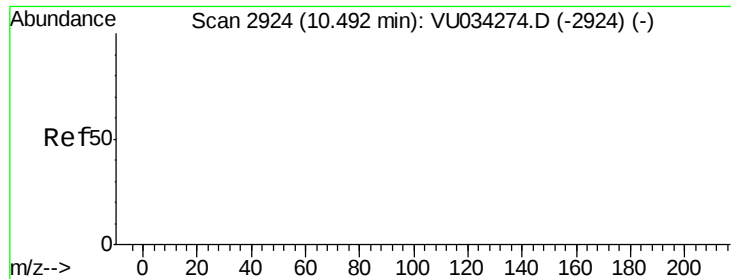
Tgt Ion: 105 Resp: 286633

Ion Ratio Lower Upper

105 100

120 49.9 24.9 74.7

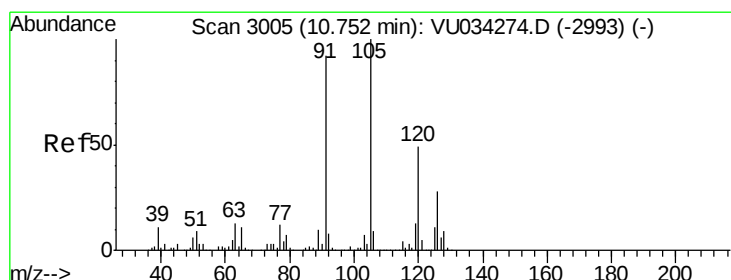
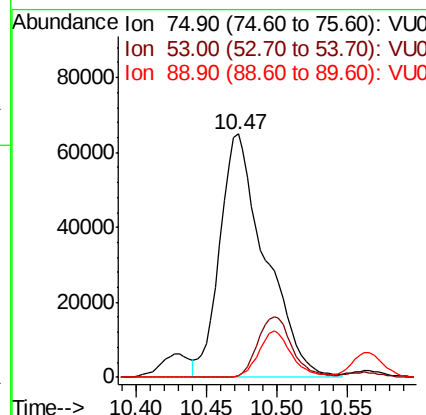
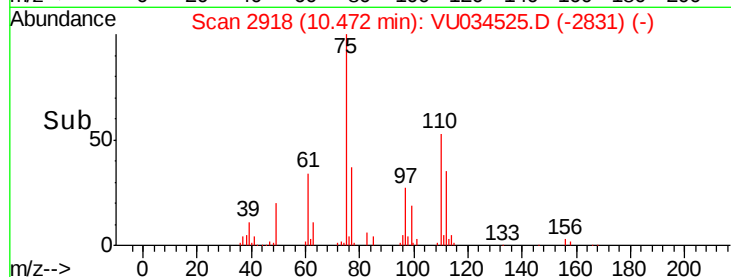
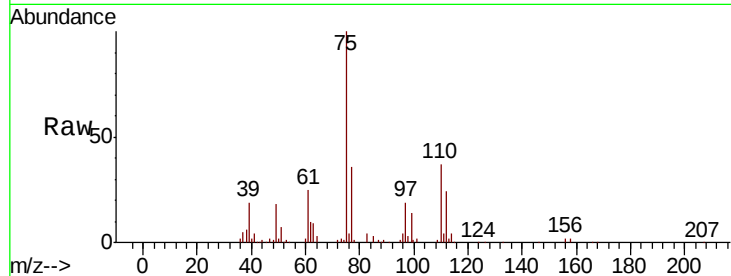




#81
trans-1,4-Dichloro-2-butene
Concen: 92.272 ug/l
RT: 10.47 min Scan# 2918
Delta R.T. -0.02 min
Lab File: VU034525.D
Acq: 12 Sep 2019 17:14

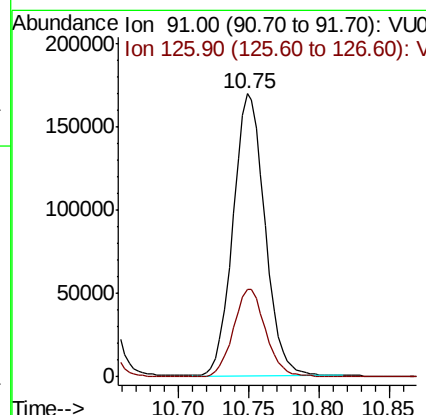
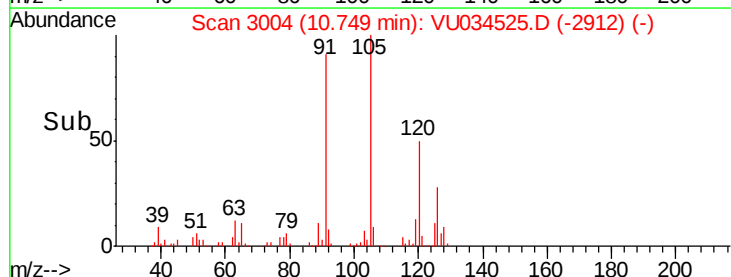
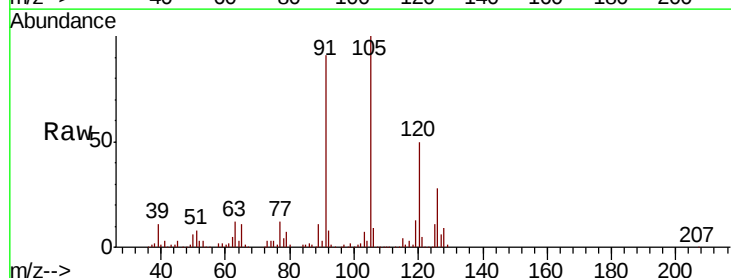
Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS04

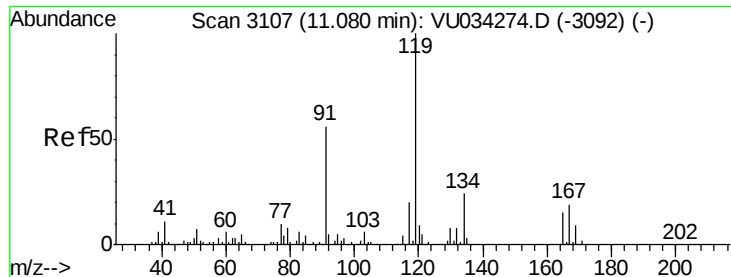
Tgt Ion: 75 Resp: 145240
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 20.901 ug/l
RT: 10.75 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VU034525.D
Acq: 12 Sep 2019 17:14

Tgt Ion: 91 Resp: 267483
Ion Ratio Lower Upper
91 100
126 31.6 15.3 45.8

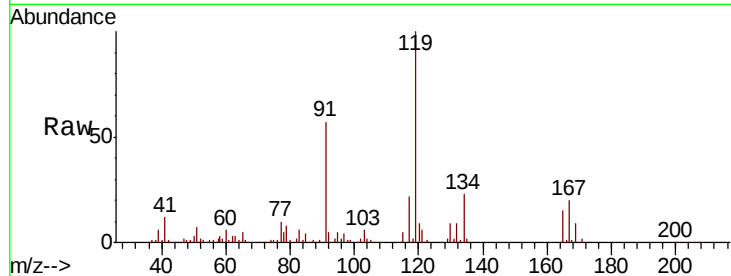




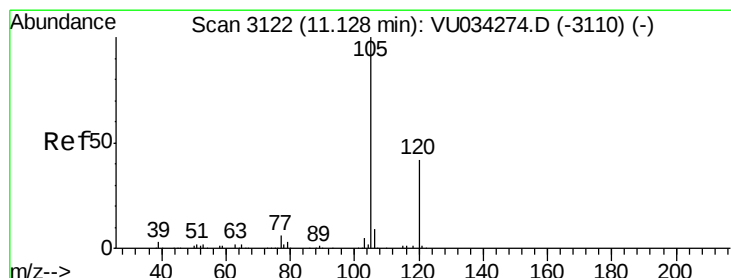
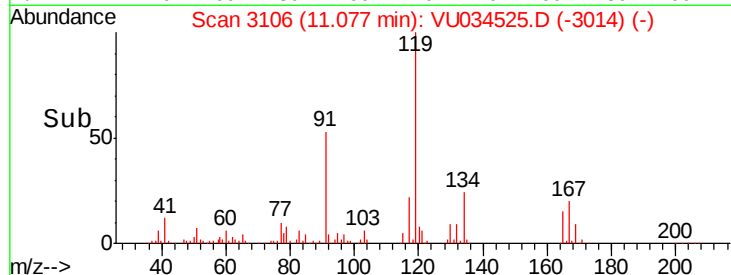
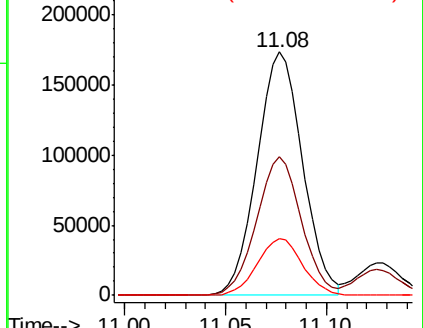
#83
 tert-Butylbenzene
 Concen: 20.648 ug/l
 RT: 11.08 min Scan# 3106
 Delta R.T. -0.00 min
 Lab File: VU034525.D
 Acq: 12 Sep 2019 17:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBS04

Tgt Ion:119 Resp: 272631
 Ion Ratio Lower Upper
 119 100
 91 56.2 27.8 83.4
 134 23.4 11.7 35.0

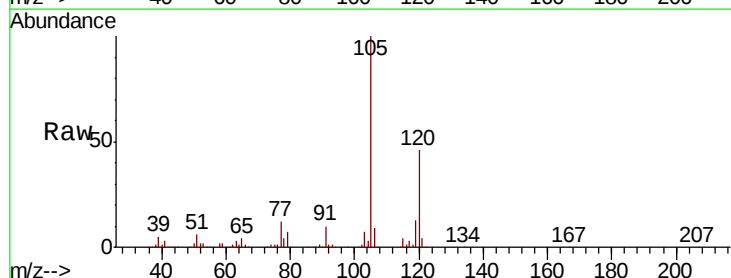


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU
 Ion 134.00 (133.70 to 134.70): V

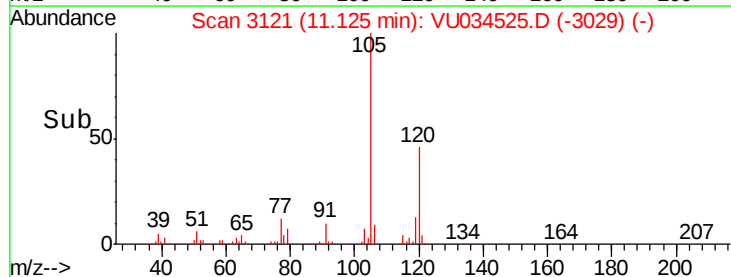
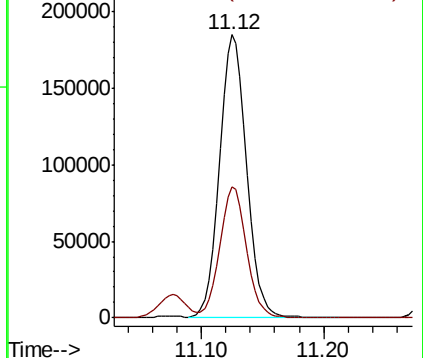


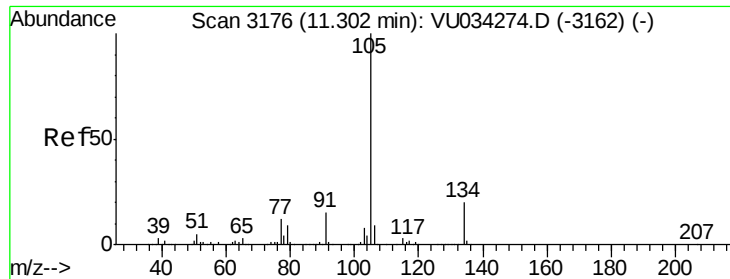
#84
 1,2,4-Trimethylbenzene
 Concen: 21.562 ug/l
 RT: 11.12 min Scan# 3121
 Delta R.T. -0.00 min
 Lab File: VU034525.D
 Acq: 12 Sep 2019 17:14

Tgt Ion:105 Resp: 286471
 Ion Ratio Lower Upper
 105 100
 120 46.1 22.9 68.8



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

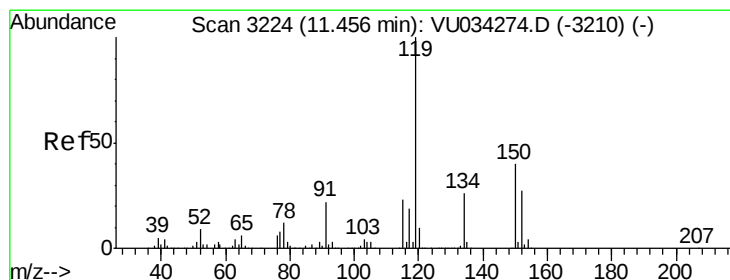
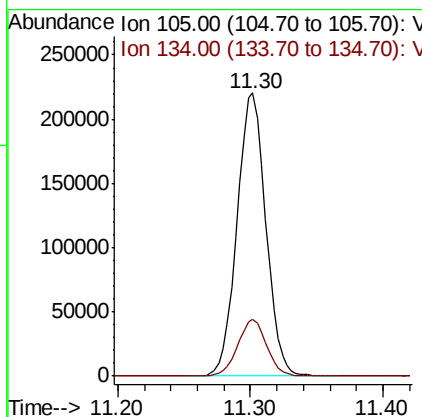
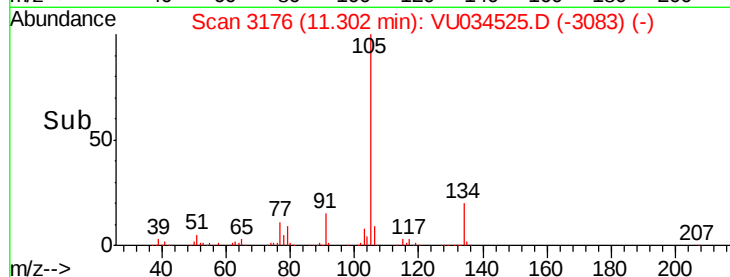
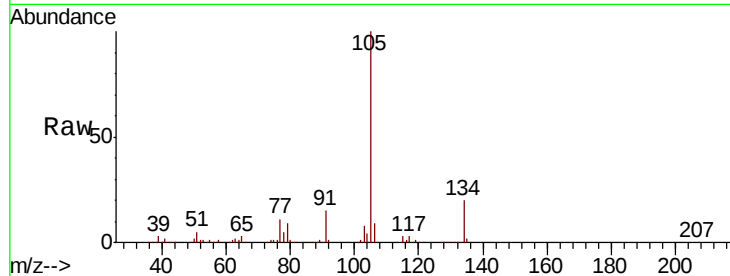




#85
 sec-Butylbenzene
 Concen: 21.274 ug/l
 RT: 11.30 min Scan# 3176
 Delta R.T. -0.00 min
 Lab File: VU034525.D
 Acq: 12 Sep 2019 17:14

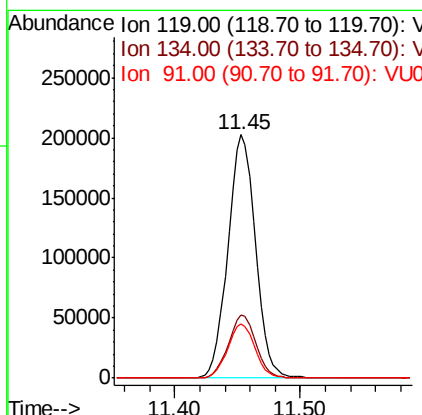
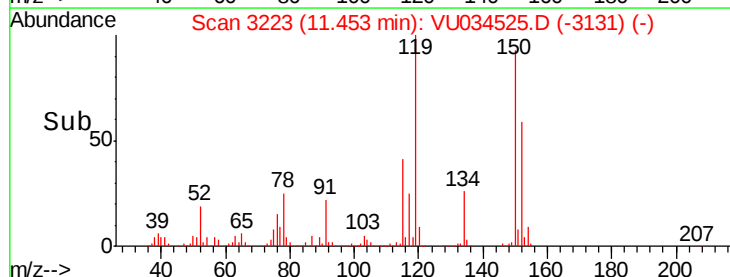
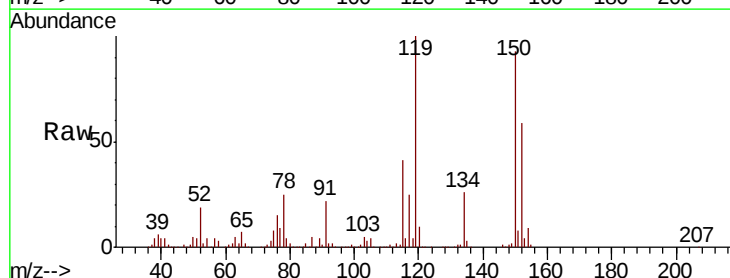
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBS04

Tgt Ion:105 Resp: 331610
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.1 30.3



#86
 p-Isopropyltoluene
 Concen: 21.305 ug/l
 RT: 11.45 min Scan# 3223
 Delta R.T. -0.00 min
 Lab File: VU034525.D
 Acq: 12 Sep 2019 17:14

Tgt Ion:119 Resp: 306523
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.3 39.8
 91 22.2 11.2 33.6

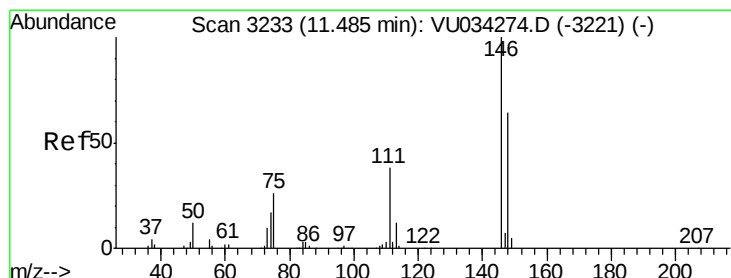
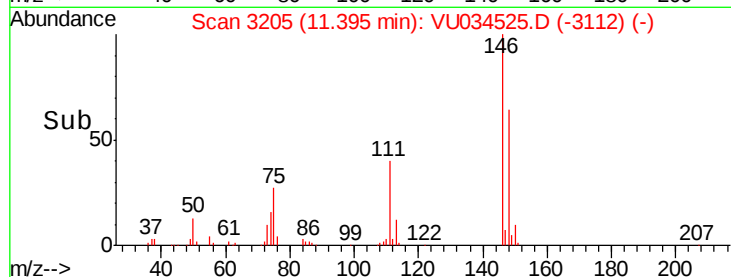
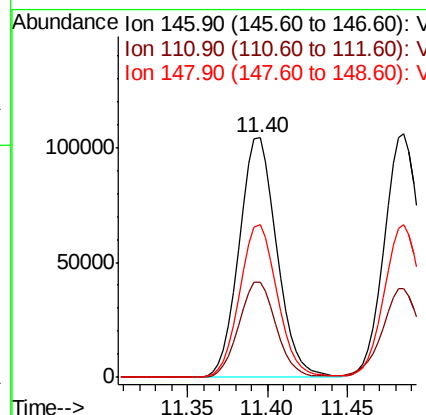
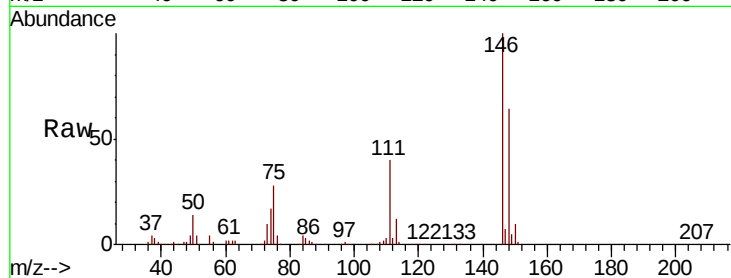




#87
 1,3-Dichlorobenzene
 Concen: 20.784 ug/l
 RT: 11.40 min Scan# 3205
 Delta R.T. -0.00 min
 Lab File: VU034525.D
 Acq: 12 Sep 2019 17:14

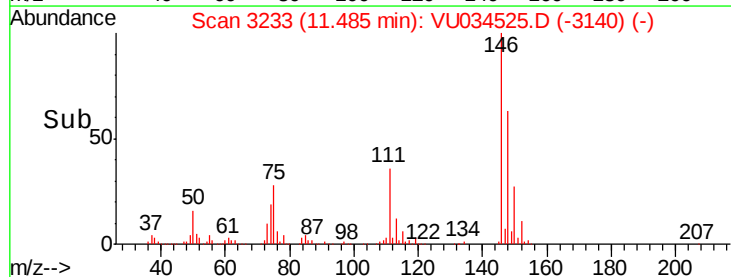
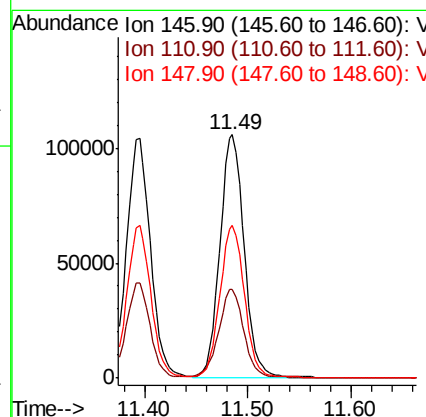
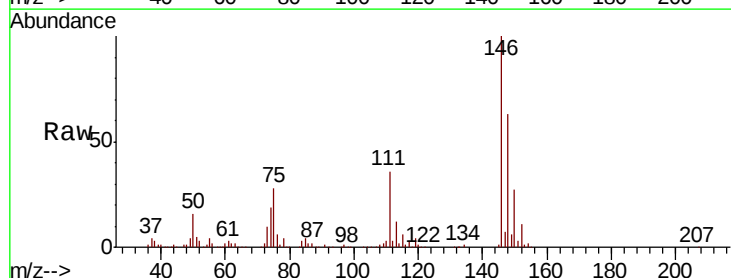
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBS04

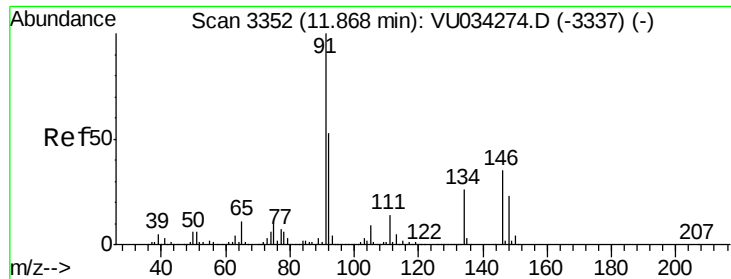
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.5	58.5
148	63.6	32.1	96.3



#88
 1,4-Dichlorobenzene
 Concen: 20.523 ug/l
 RT: 11.49 min Scan# 3233
 Delta R.T. -0.00 min
 Lab File: VU034525.D
 Acq: 12 Sep 2019 17:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.1	57.3
148	62.5	32.0	96.0

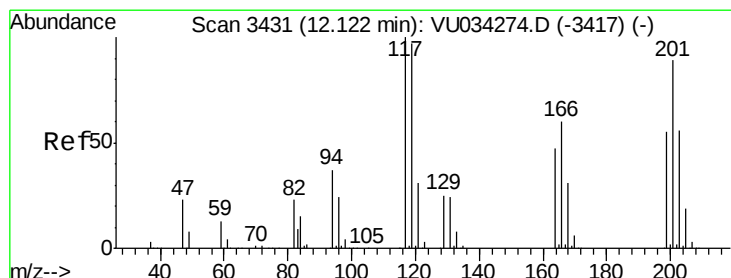
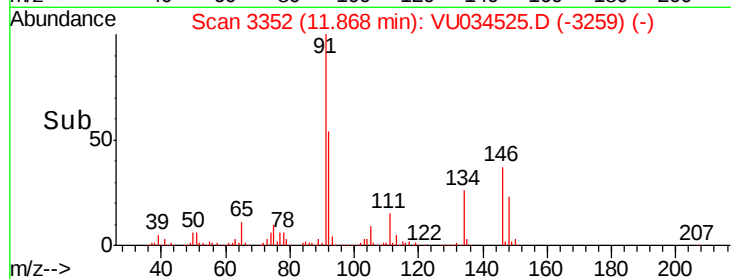
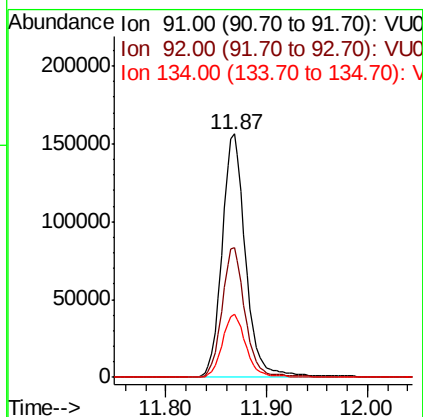
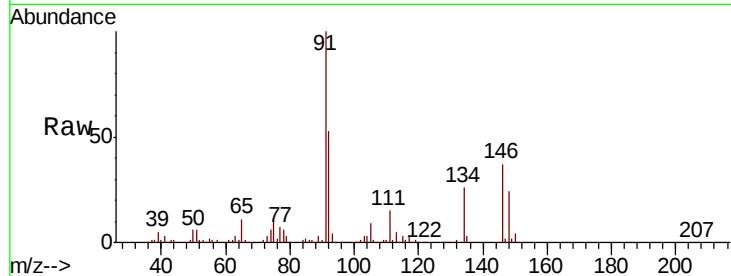




#89
n-Butylbenzene
Concen: 20.443 ug/l
RT: 11.87 min Scan# 3352
Delta R.T. -0.00 min
Lab File: VU034525.D
Acq: 12 Sep 2019 17:14

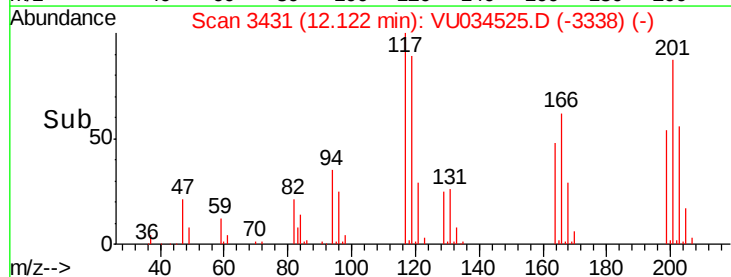
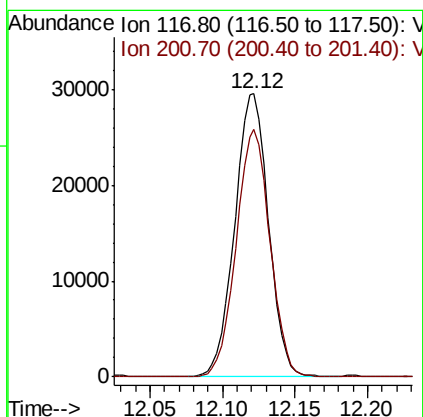
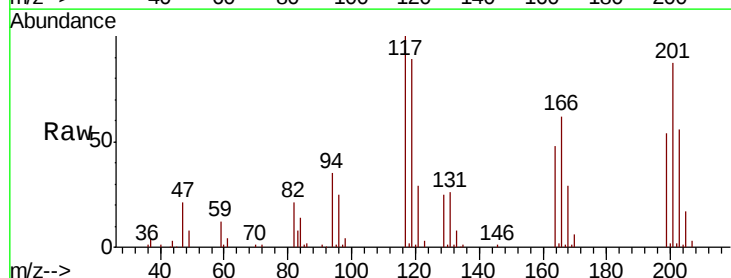
Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS04

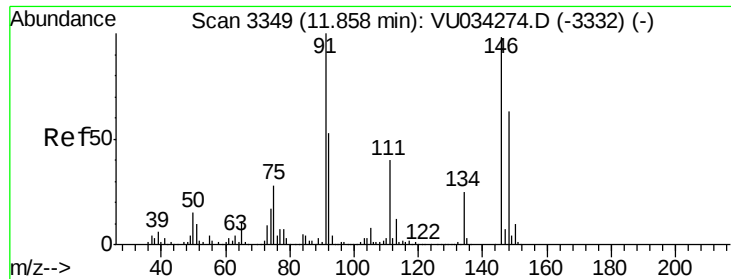
Tgt Ion: 91 Resp: 255596
Ion Ratio Lower Upper
91 100
92 52.3 26.5 79.4
134 25.8 13.2 39.6



#90
Hexachloroethane
Concen: 20.779 ug/l
RT: 12.12 min Scan# 3431
Delta R.T. -0.00 min
Lab File: VU034525.D
Acq: 12 Sep 2019 17:14

Tgt Ion: 117 Resp: 47830
Ion Ratio Lower Upper
117 100
201 86.9 44.1 132.4

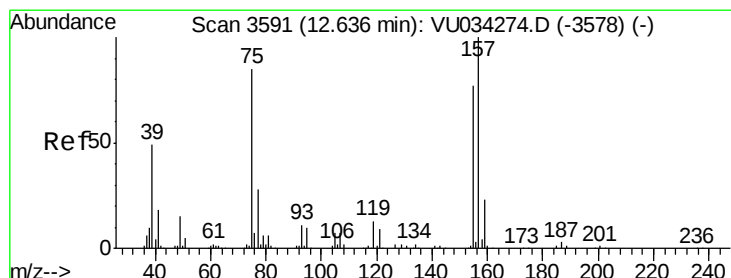
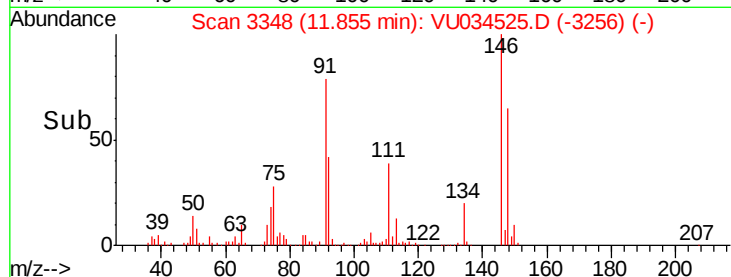
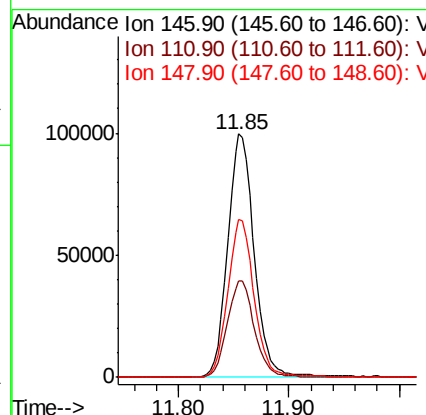
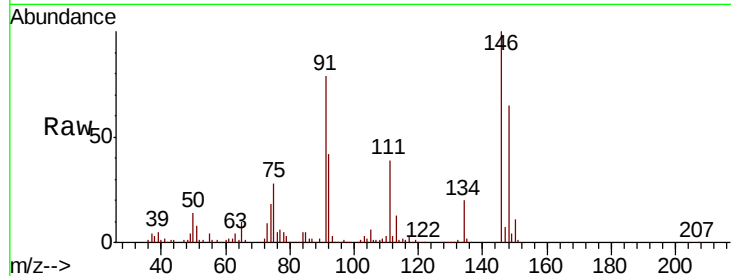




#91
 1,2-Dichlorobenzene
 Concen: 21.040 ug/l
 RT: 11.85 min Scan# 3348
 Delta R.T. -0.00 min
 Lab File: VU034525.D
 Acq: 12 Sep 2019 17:14

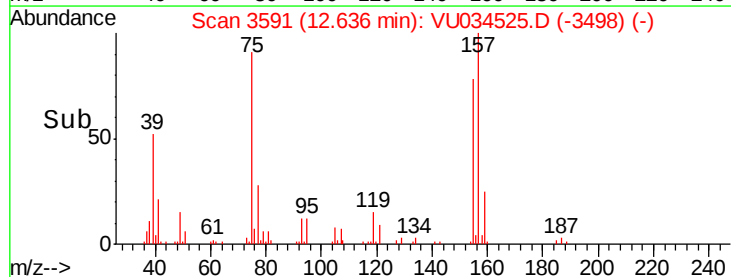
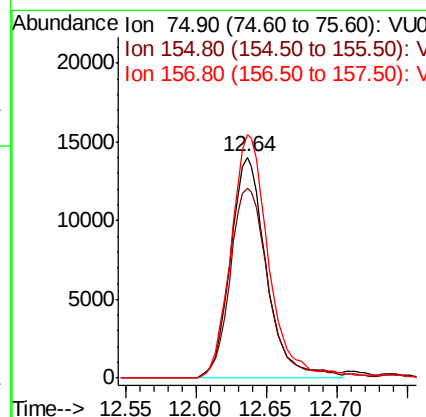
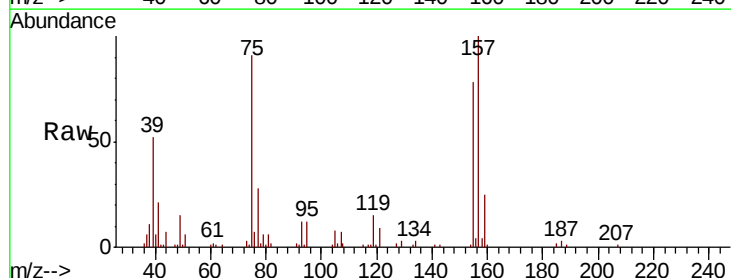
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBS04

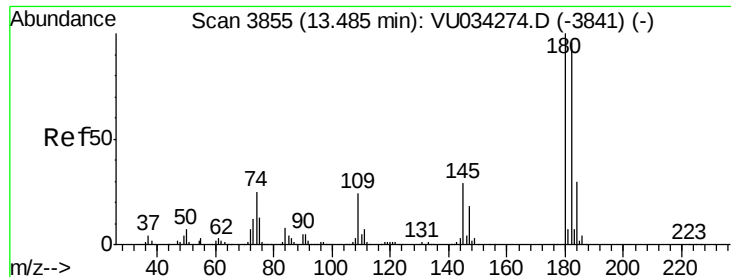
Tgt Ion:146 Resp: 166504
 Ion Ratio Lower Upper
 146 100
 111 40.2 20.0 60.0
 148 64.3 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.392 ug/l
 RT: 12.64 min Scan# 3591
 Delta R.T. -0.00 min
 Lab File: VU034525.D
 Acq: 12 Sep 2019 17:14

Tgt Ion: 75 Resp: 25111
 Ion Ratio Lower Upper
 75 100
 155 90.8 44.6 134.0
 157 112.3 58.2 174.6

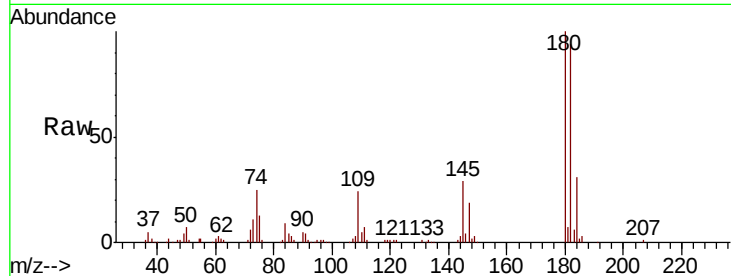




#93
 1,2,4-Trichlorobenzene
 Concen: 19.866 ug/l
 RT: 13.48 min Scan# 3854
 Delta R.T. -0.00 min
 Lab File: VU034525.D
 Acq: 12 Sep 2019 17:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBS04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.9	143.8
145	27.9	14.4	43.0

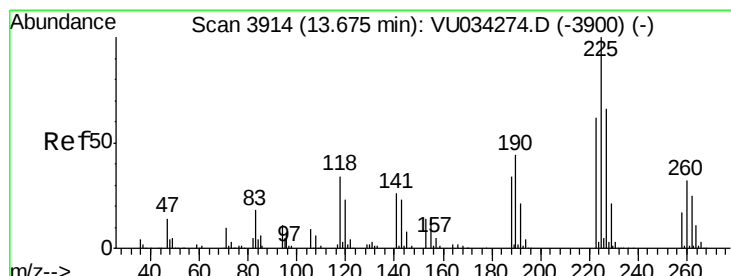
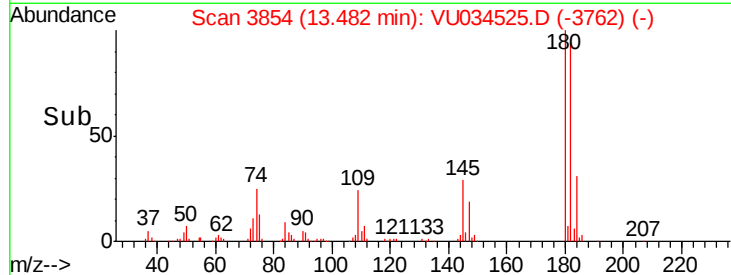
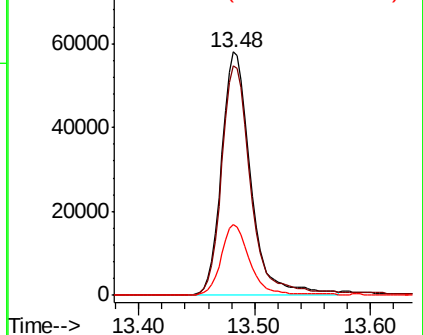


Abundance

Ion 179.80 (179.50 to 180.50): V

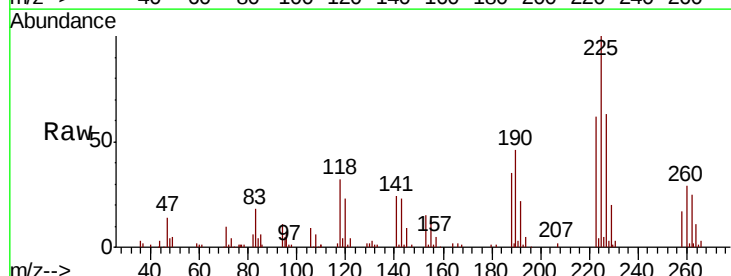
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 18.853 ug/l
 RT: 13.67 min Scan# 3913
 Delta R.T. -0.00 min
 Lab File: VU034525.D
 Acq: 12 Sep 2019 17:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.6	94.7
227	63.7	32.3	96.8

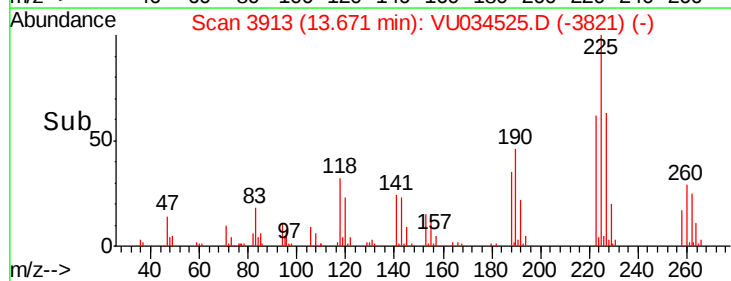
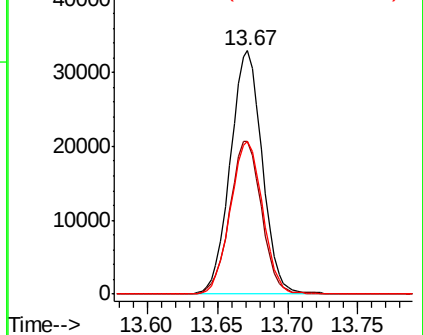


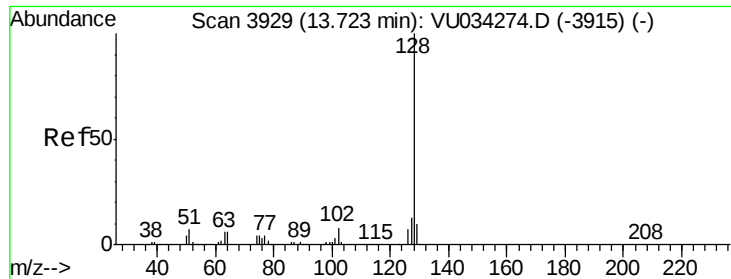
Abundance

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

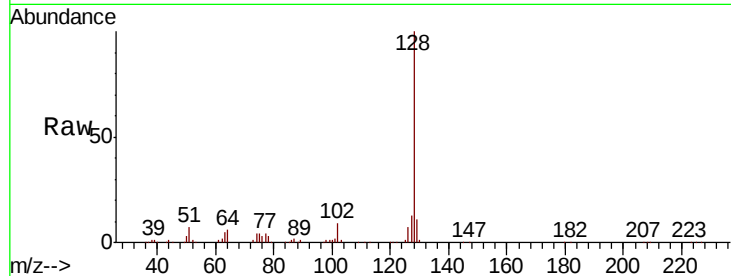




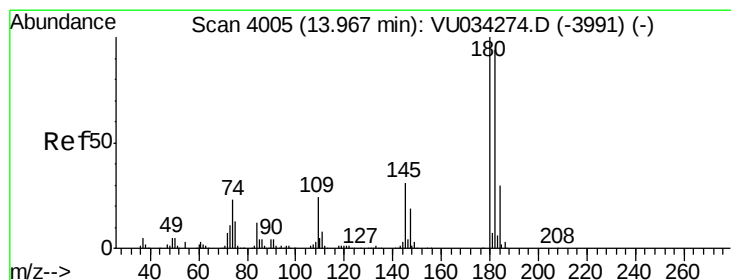
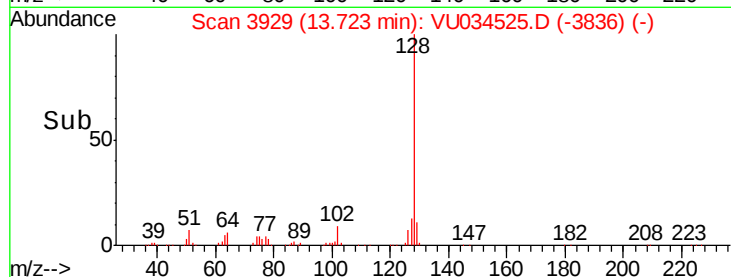
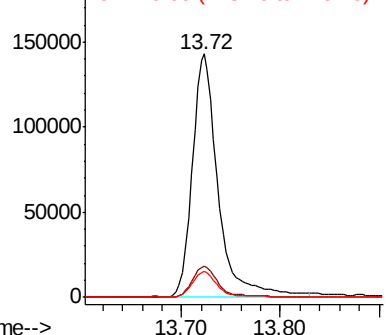
#95
Naphthalene
Concen: 18.963 ug/l
RT: 13.72 min Scan# 3929
Delta R.T. -0.00 min
Lab File: VU034525.D
Acq: 12 Sep 2019 17:14

Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS04

Tgt Ion:128 Resp: 263263
Ion Ratio Lower Upper
128 100
127 13.0 10.6 15.8
129 10.3 8.4 12.6

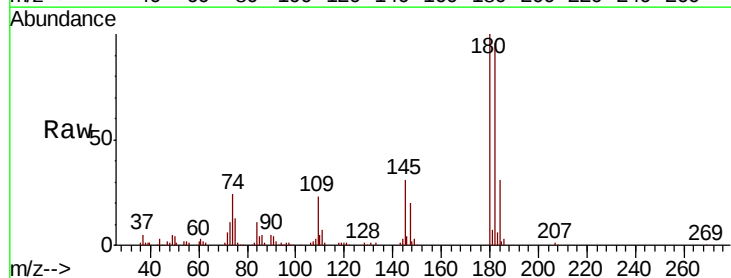


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.080 ug/l
RT: 13.97 min Scan# 4005
Delta R.T. 0.00 min
Lab File: VU034525.D
Acq: 12 Sep 2019 17:14

Tgt Ion:180 Resp: 102073
Ion Ratio Lower Upper
180 100
182 96.6 48.4 145.0
145 29.6 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

