

Data File : VU034485.D
Acq On : 11 Sep 2019 19:29
Operator : JC/SP
Sample : VU0912WBSD01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU0912WBSD01

Quant Time: Sep 12 04:42:19 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	253494	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	359569	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	362318	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	241628	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	200842	52.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.72%	
35) Dibromofluoromethane	4.86	113	179359	53.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.22%	
50) Toluene-d8	7.54	98	675069	53.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.40%	
62) 4-Bromofluorobenzene	10.29	95	249503	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.20	85	51735	19.514	ug/l 100
3) Chloromethane	1.32	50	61467	21.411	ug/l 97
4) Vinyl Chloride	1.40	62	63714	19.286	ug/l 99
5) Bromomethane	1.62	94	41985	22.719	ug/l 99
6) Chloroethane	1.69	64	43933	22.325	ug/l 98
7) Trichlorofluoromethane	1.88	101	93732	21.160	ug/l 97
8) Diethyl Ether	2.09	74	42711	21.920	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	2.28	101	60911	20.761	ug/l 99
10) Methyl Iodide	2.40	142	41623	18.160	ug/l 99
11) Tert butyl alcohol	2.81	59	80780	99.693	ug/l 96
12) 1,1-Dichloroethene	2.27	96	56498	20.485	ug/l 98
13) Acrolein	2.18	56	38630	56.722	ug/l 98
14) Allyl chloride	2.58	41	92052	17.458	ug/l 88
15) Acrylonitrile	2.92	53	216536	107.312	ug/l 99
16) Acetone	2.31	43	175534	88.438	ug/l 99
17) Carbon Disulfide	2.47	76	110337	17.800	ug/l 98
18) Methyl Acetate	2.60	43	97511	20.190	ug/l 97
19) Methyl tert-butyl Ether	2.98	73	219856	21.870	ug/l 98
20) Methylene Chloride	2.69	84	74504	22.699	ug/l 97
21) trans-1,2-Dichloroethene	2.97	96	59387	20.433	ug/l 99
22) Diisopropyl ether	3.55	45	229874	22.355	ug/l 94
23) Vinyl Acetate	3.51	43	905852	108.149	ug/l 99
24) 1,1-Dichloroethane	3.43	63	133418	21.726	ug/l 100
25) 2-Butanone	4.24	43	266729	100.672	ug/l 100
26) 2,2-Dichloropropane	4.20	77	102205	20.694	ug/l 99
27) cis-1,2-Dichloroethene	4.20	96	75680	21.440	ug/l 99
28) Bromochloromethane	4.52	49	63217	22.382	ug/l 100
29) Tetrahydrofuran	4.62	42	172137	106.770	ug/l 98
30) Chloroform	4.65	83	136875	21.928	ug/l 99
31) Cyclohexane	4.97	56	88601	19.722	ug/l 97
32) 1,1,1-Trichloroethane	4.89	97	109627	21.967	ug/l 99
36) 1,1-Dichloropropene	5.12	75	81502	20.900	ug/l 99
37) Ethyl Acetate	4.36	43	96753	20.985	ug/l 99
38) Carbon Tetrachloride	5.11	117	92079	22.115	ug/l 97

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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	81202	19.479	ug/l	96
40) Benzene	5.37	78	277825	22.079	ug/l	99
41) Methacrylonitrile	4.52	41	54927	22.366	ug/l	99
42) 1,2-Dichloroethane	5.39	62	100012	22.893	ug/l	100
43) Isopropyl Acetate	5.53	43	155631	21.638	ug/l	99
44) Trichloroethene	6.17	130	77193	22.169	ug/l	96
45) 1,2-Dichloropropane	6.41	63	82995	22.562	ug/l	99
46) Dibromomethane	6.54	93	51028	22.099	ug/l	99
47) Bromodichloromethane	6.74	83	108171	22.759	ug/l	98
48) Methyl methacrylate	6.60	41	70430	20.617	ug/l	98
49) 1,4-Dioxane	6.59	88	25022	335.437	ug/l	97
51) 4-Methyl-2-Pentanone	7.44	43	535354	107.532	ug/l	100
52) Toluene	7.62	92	177219	22.452	ug/l	97
53) t-1,3-Dichloropropene	7.86	75	106588	21.633	ug/l	98
54) cis-1,3-Dichloropropene	7.25	75	119586	22.115	ug/l	98
55) 1,1,2-Trichloroethane	8.04	97	81227	22.663	ug/l	96
56) Ethyl methacrylate	8.00	69	106444	21.421	ug/l	100
57) 1,3-Dichloropropane	8.22	76	129464	22.183	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.11	63	145517	90.353	ug/l	99
59) 2-Hexanone	8.34	43	388029	104.330	ug/l	100
60) Dibromochloromethane	8.46	129	88285	22.965	ug/l	100
61) 1,2-Dibromoethane	8.57	107	77690	22.146	ug/l	98
64) Tetrachloroethene	8.21	164	67744	21.552	ug/l	97
65) Chlorobenzene	9.10	112	205484	22.354	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.19	131	78413	22.352	ug/l	98
67) Ethyl Benzene	9.23	91	323414	21.518	ug/l	100
68) m/p-Xylenes	9.35	106	254249	44.923	ug/l	100
69) o-Xylene	9.76	106	123256	22.269	ug/l	98
70) Styrene	9.77	104	222738	22.953	ug/l	100
71) Bromoform	9.94	173	68019	22.372	ug/l #	99
73) Isopropylbenzene	10.14	105	344725	21.923	ug/l	100
74) N-amyl acetate	9.99	43	131596	20.791	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.43	83	136085	21.380	ug/l	99
76) 1,2,3-Trichloropropane	10.47	75	142873	27.088	ug/l	87
77) Bromobenzene	10.43	156	96357	21.915	ug/l	98
78) n-propylbenzene	10.57	91	396068	21.809	ug/l	99
79) 2-Chlorotoluene	10.64	91	243800	22.002	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	302892	23.032	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.47	75	142873	91.097	ug/l #	100
82) 4-Chlorotoluene	10.75	91	281290	22.059	ug/l	100
83) tert-Butylbenzene	11.08	119	288162	21.903	ug/l	99
84) 1,2,4-Trimethylbenzene	11.12	105	294362	22.236	ug/l	99
85) sec-Butylbenzene	11.30	105	343177	22.095	ug/l	99
86) p-Isopropyltoluene	11.45	119	316391	22.070	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	176602	22.012	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	178824	21.369	ug/l	99
89) n-Butylbenzene	11.87	91	261343	20.978	ug/l	99
90) Hexachloroethane	12.12	117	48073	20.960	ug/l	98
91) 1,2-Dichlorobenzene	11.86	146	175414	22.246	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	24475	20.926	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091219\
Quantitation Report (Not Reviewed)

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Operator : JC/SP
Sample : VU0912WBSD01
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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	106706	20.823	ug/l	98
94) Hexachlorobutadiene	13.67	225	55074	19.968	ug/l	100
95) Naphthalene	13.72	128	271435	19.484	ug/l	98
96) 1,2,3-Trichlorobenzene	13.97	180	104636	20.582	ug/l	99

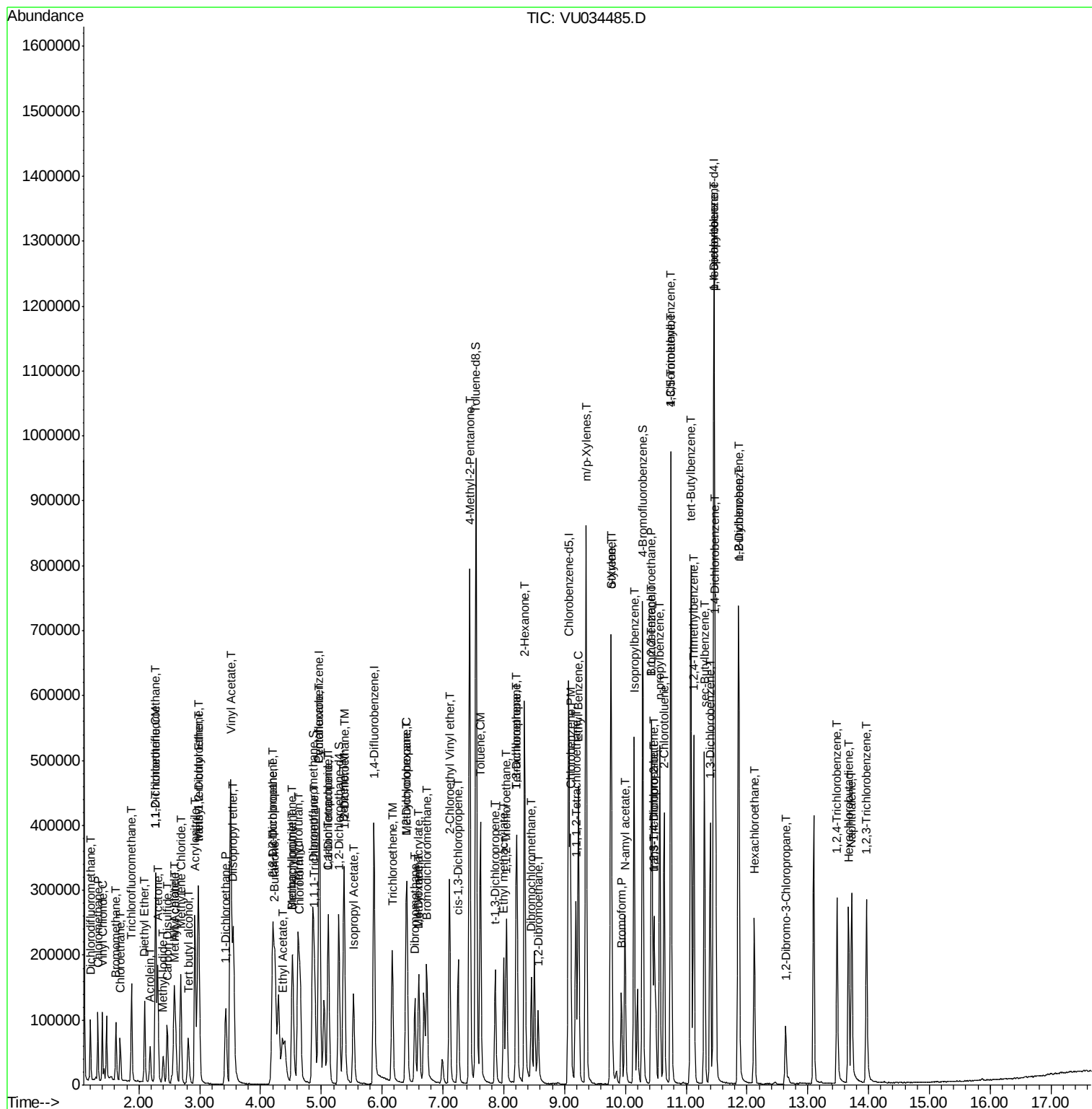
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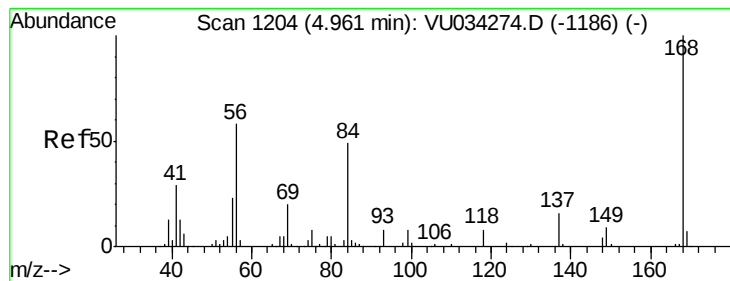
Data File : VU034485.D

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Acq On       : 11 Sep 2019   19:29
Operator    : JC/SP
Sample      : VU0912WBSD01
Misc       : 5.0mL/MSVOA_U/WATER
ALS Vial    : 8      Sample Multiplier: 1
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Instrument :
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Quant Time: Sep 12 04:42:19 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VU034485.D

Acq: 11 Sep 2019 19:29

Instrument :

MSVOA_U

ClientSampleId :

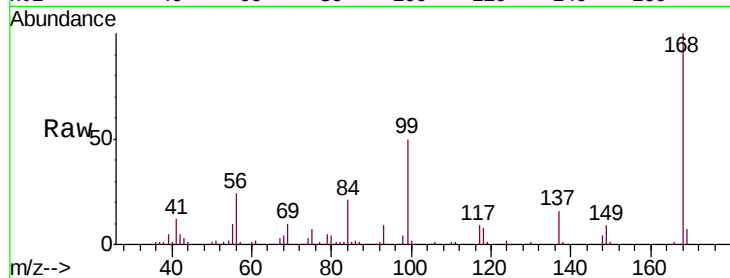
VU0912WBSD01

Tgt Ion:168 Resp: 253494

Ion Ratio Lower Upper

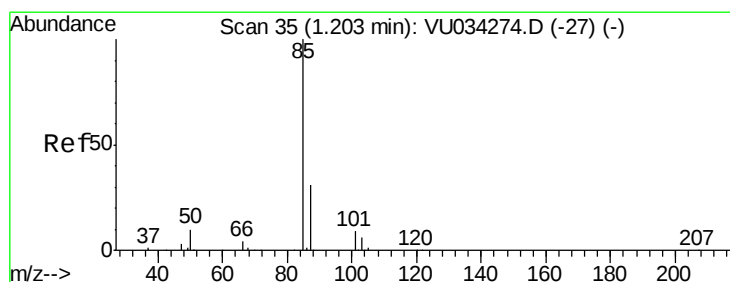
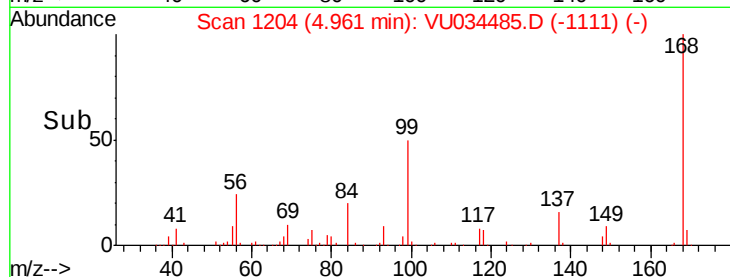
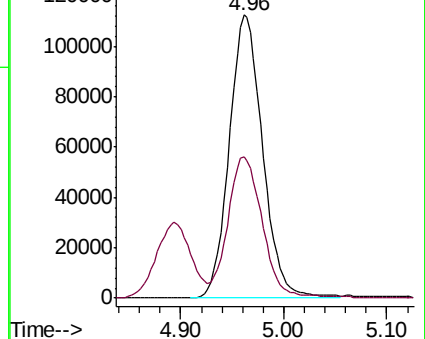
168 100

99 49.4 41.6 62.4



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

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



#2

Dichlorodifluoromethane

Concen: 19.514 ug/l

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU034485.D

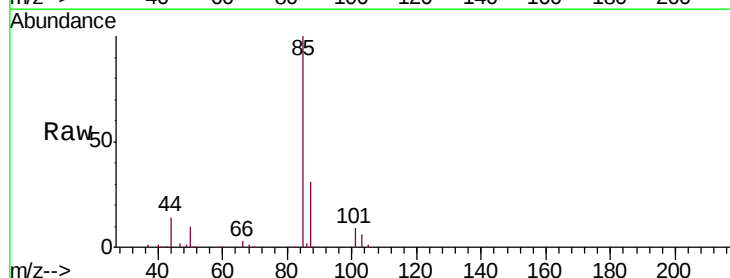
Acq: 11 Sep 2019 19:29

Tgt Ion: 85 Resp: 51735

Ion Ratio Lower Upper

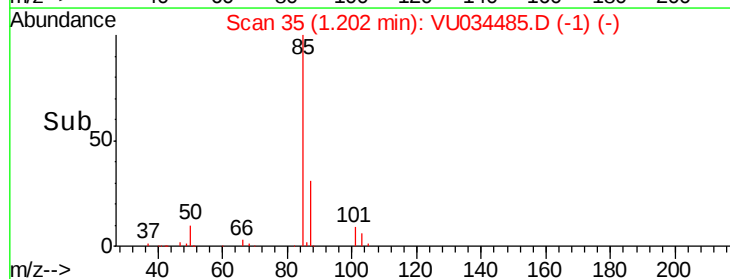
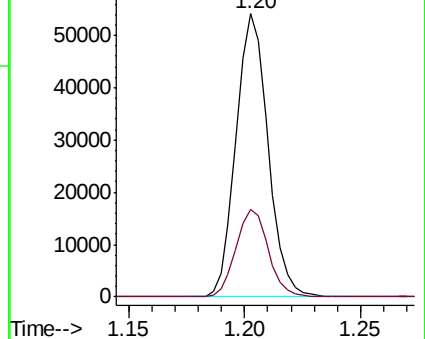
85 100

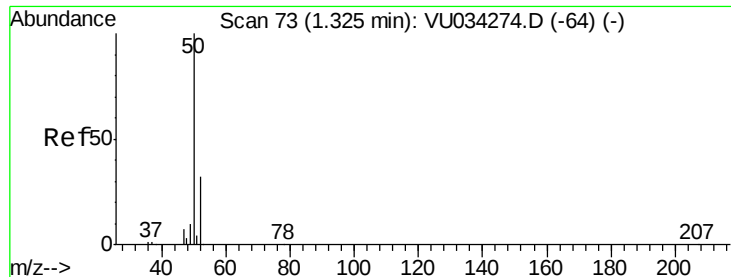
87 31.0 15.7 47.0



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: 21.411 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034485.D

Acq: 11 Sep 2019 19:29

Instrument :

MSVOA_U

ClientSampleId :

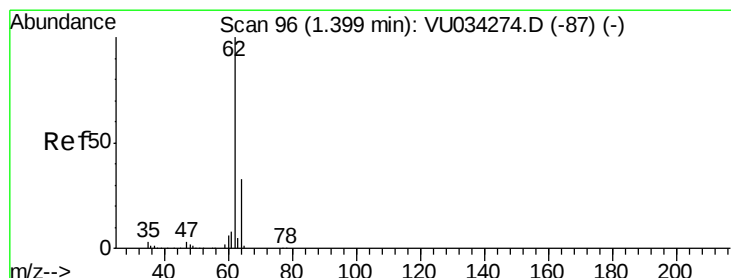
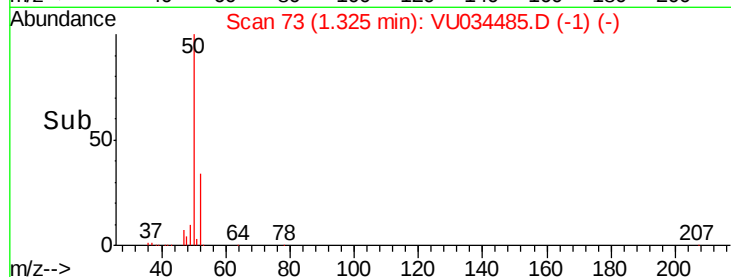
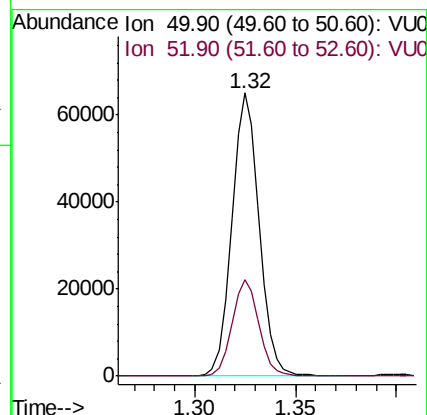
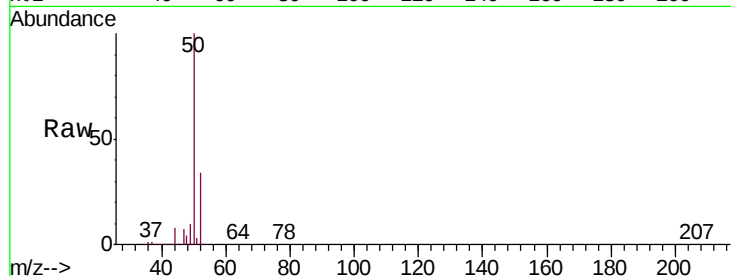
VU0912WBSD01

Tgt Ion: 50 Resp: 61467

Ion Ratio Lower Upper

50 100

52 33.9 25.8 38.6



#4

Vinyl Chloride

Concen: 19.286 ug/l

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU034485.D

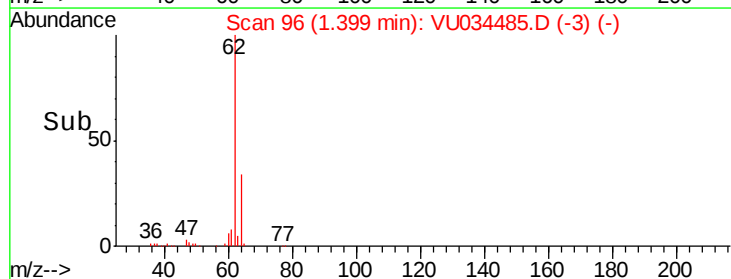
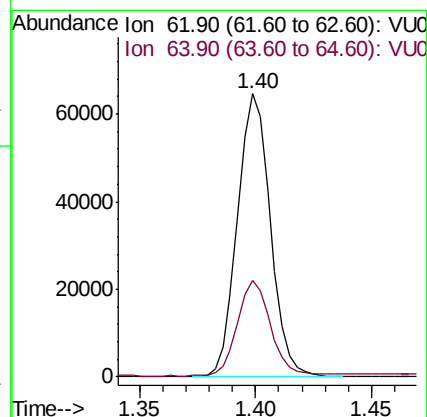
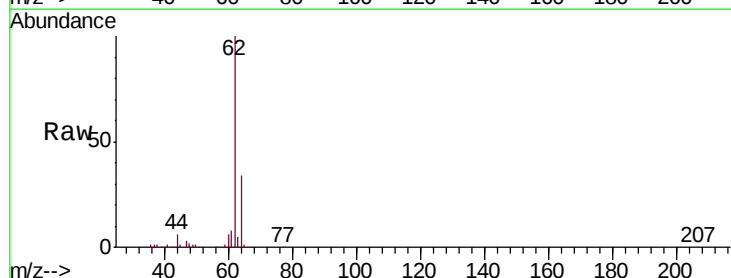
Acq: 11 Sep 2019 19:29

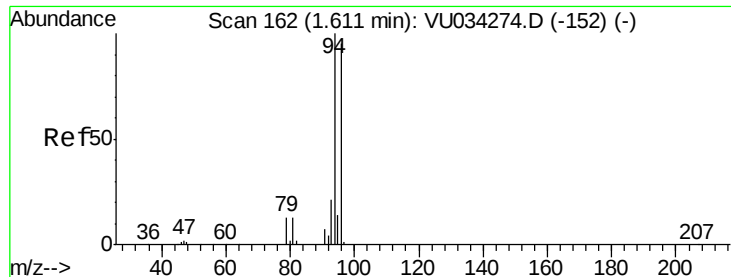
Tgt Ion: 62 Resp: 63714

Ion Ratio Lower Upper

62 100

64 33.5 26.2 39.4





#5

Bromomethane

Concen: 22.719 ug/l

RT: 1.62 min Scan# 165

Delta R.T. 0.01 min

Lab File: VU034485.D

Acq: 11 Sep 2019 19:29

Instrument :

MSVOA_U

ClientSampleId :

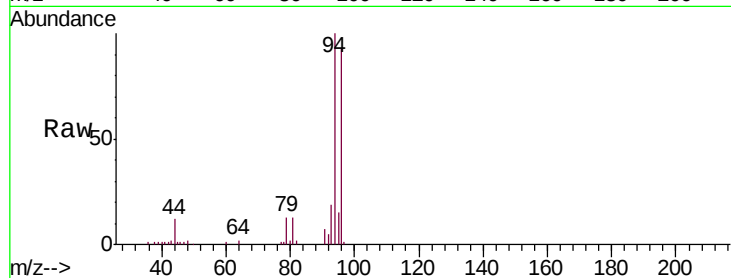
VU0912WBSD01

Tgt Ion: 94 Resp: 41985

Ion Ratio Lower Upper

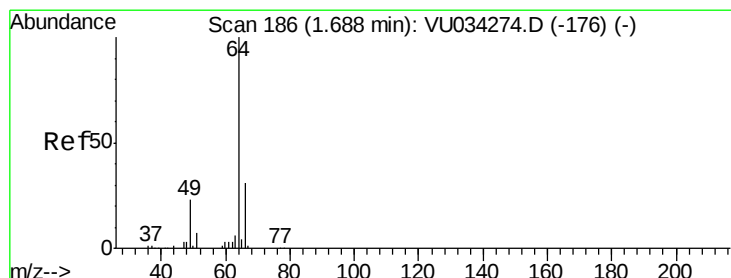
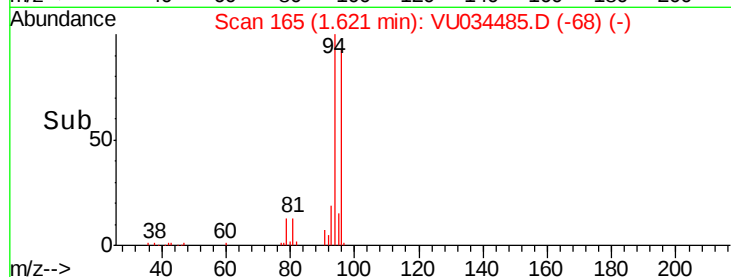
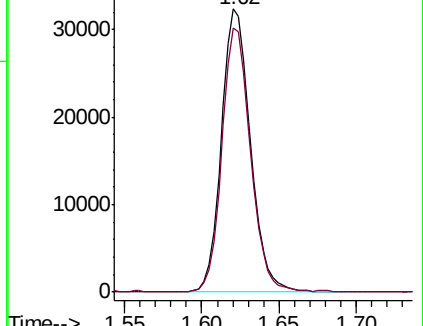
94 100

96 93.5 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VU034485.D (-68) (-)

Ion 95.90 (95.60 to 96.60): VU034485.D (-68) (-)



#6

Chloroethane

Concen: 22.325 ug/l

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU034485.D

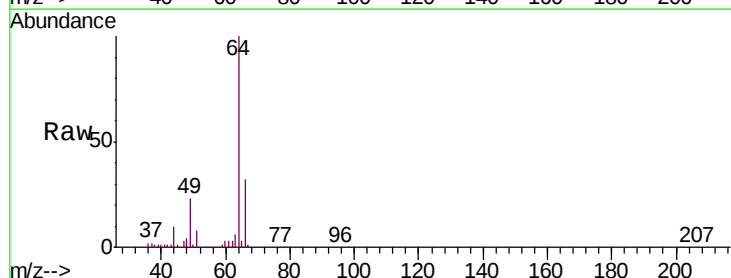
Acq: 11 Sep 2019 19:29

Tgt Ion: 64 Resp: 43933

Ion Ratio Lower Upper

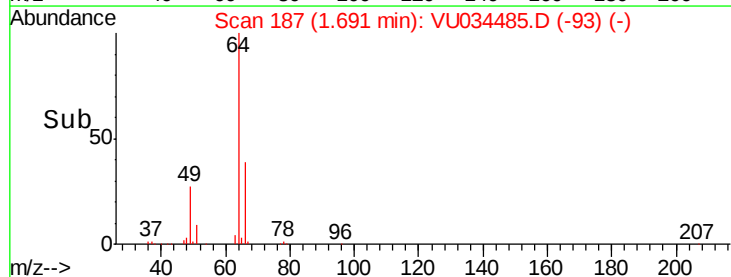
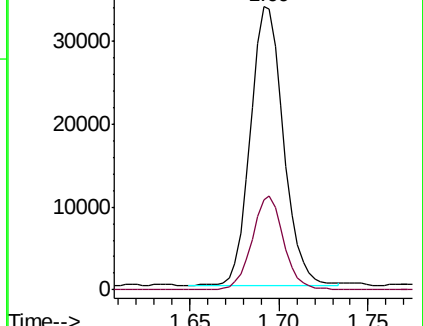
64 100

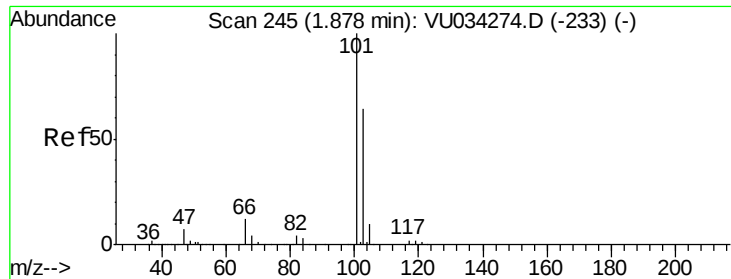
66 32.5 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU034485.D (-93) (-)

Ion 65.90 (65.60 to 66.60): VU034485.D (-93) (-)



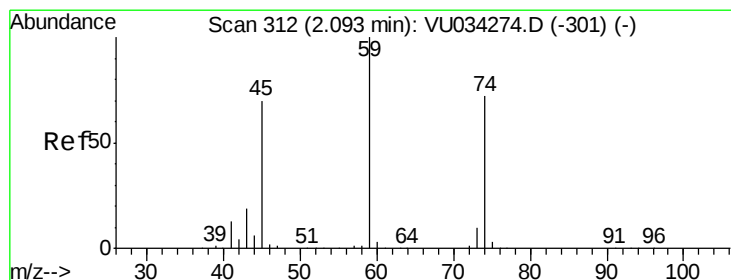
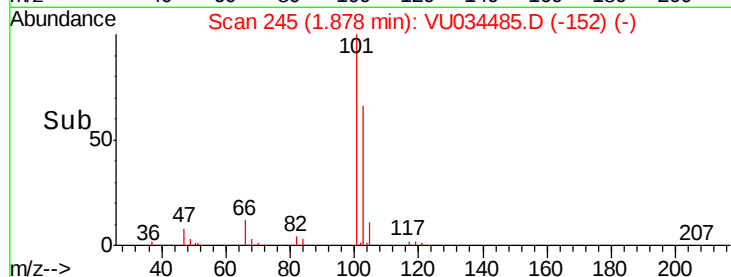
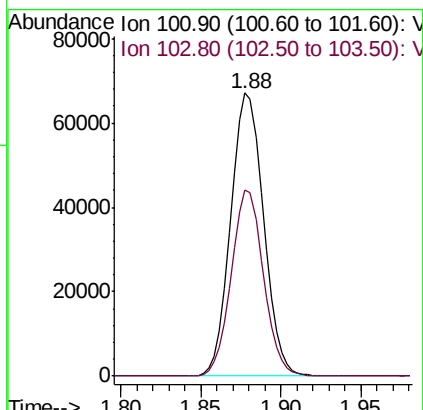
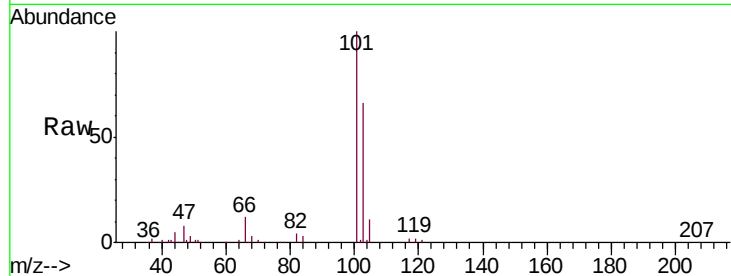


#7

Trichlorofluoromethane
 Concen: 21.160 ug/l
 RT: 1.88 min Scan# 245
 Delta R.T. -0.00 min
 Lab File: VU034485.D
 Acq: 11 Sep 2019 19:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBSD01

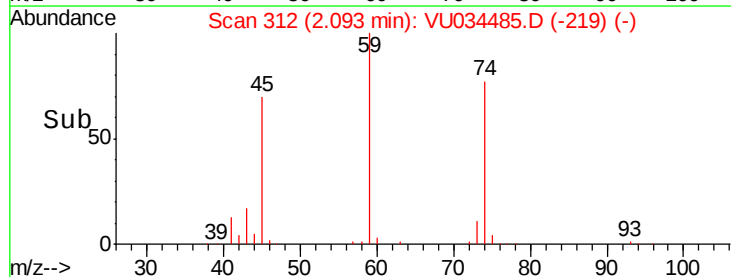
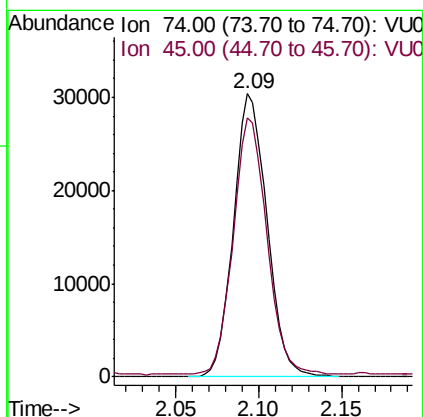
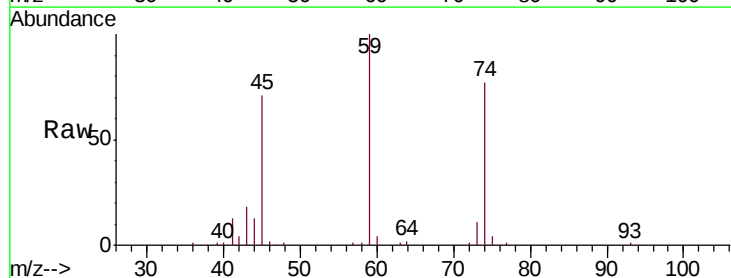
Tgt Ion:101 Resp: 93732
 Ion Ratio Lower Upper
 101 100
 103 65.8 51.0 76.6



#8

Diethyl Ether
 Concen: 21.920 ug/l
 RT: 2.09 min Scan# 312
 Delta R.T. -0.00 min
 Lab File: VU034485.D
 Acq: 11 Sep 2019 19:29

Tgt Ion: 74 Resp: 42711
 Ion Ratio Lower Upper
 74 100
 45 91.5 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.761 ug/l

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU034485.D

Acq: 11 Sep 2019 19:29

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBSD01

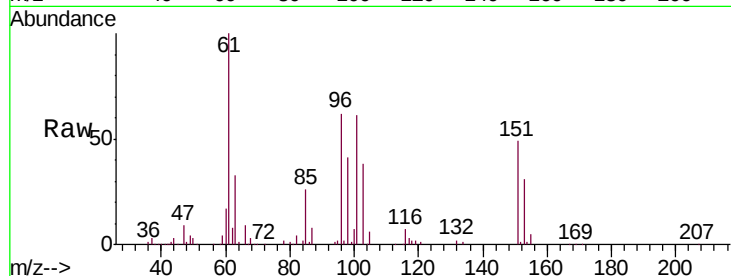
Tgt Ion:101 Resp: 60911

Ion Ratio Lower Upper

101 100

85 42.4 34.4 51.6

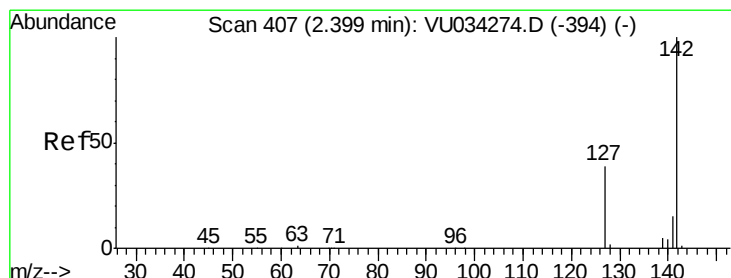
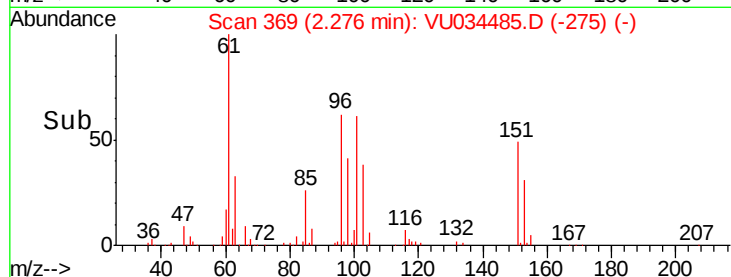
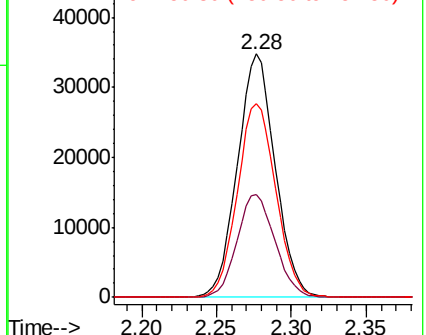
151 81.3 64.4 96.6



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: 18.160 ug/l

RT: 2.40 min Scan# 408

Delta R.T. 0.00 min

Lab File: VU034485.D

Acq: 11 Sep 2019 19:29

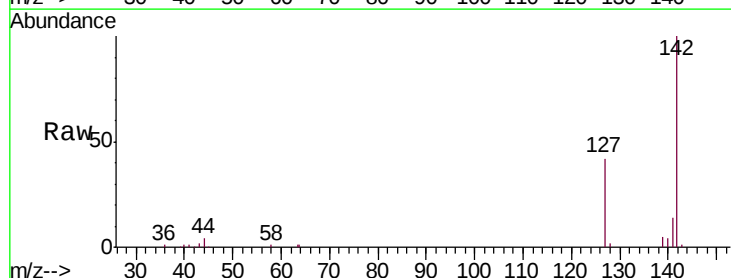
Tgt Ion:142 Resp: 41623

Ion Ratio Lower Upper

142 100

127 41.0 32.1 48.1

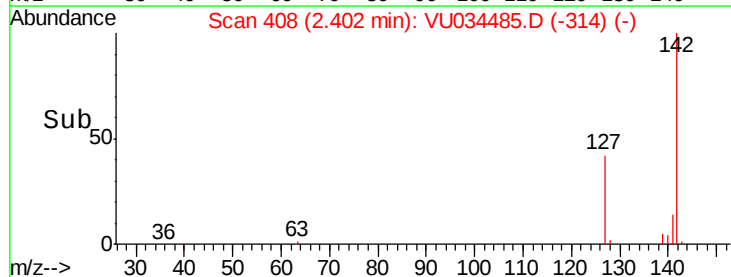
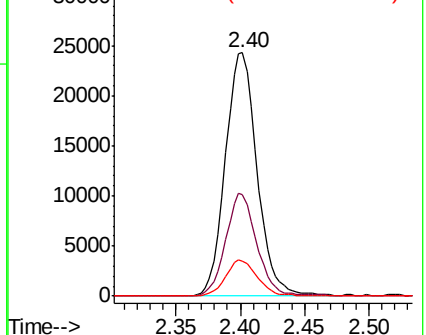
141 14.7 11.5 17.3

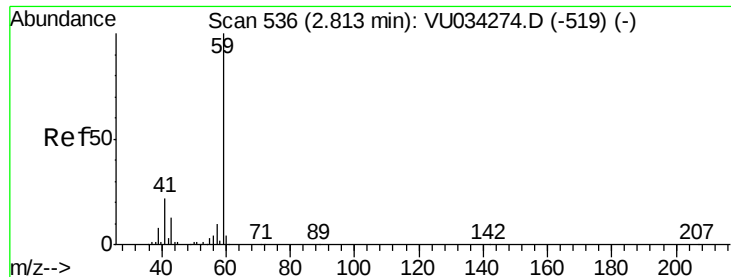


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

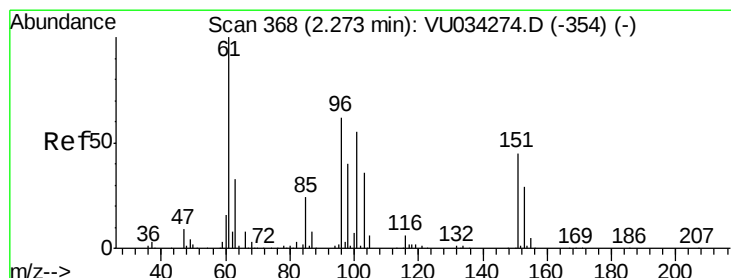
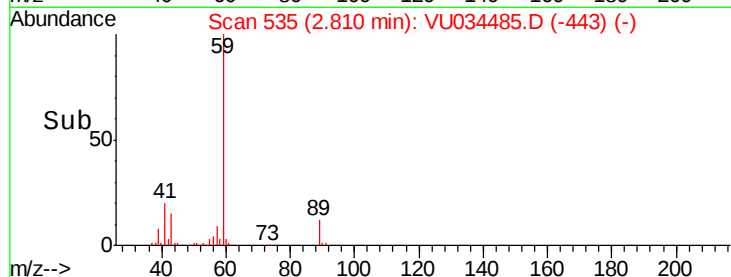
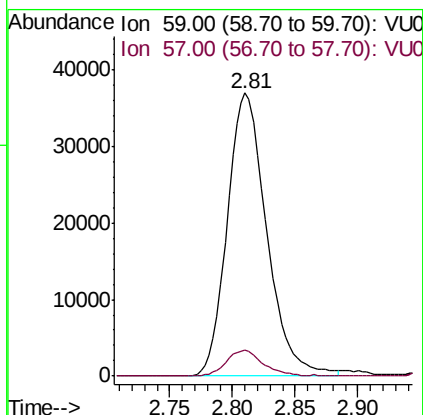
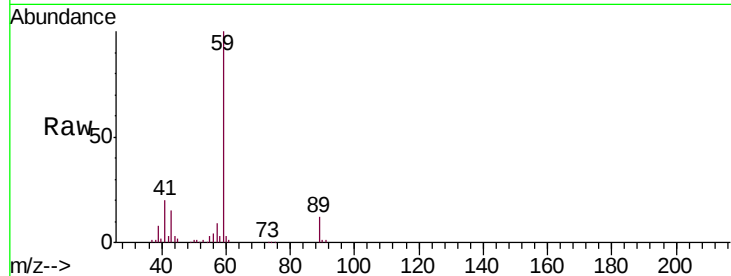




#11
Tert butyl alcohol
Concen: 99.693 ug/l
RT: 2.81 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU034485.D
Acq: 11 Sep 2019 19:29

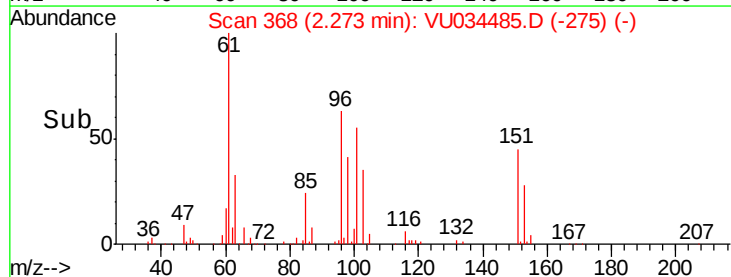
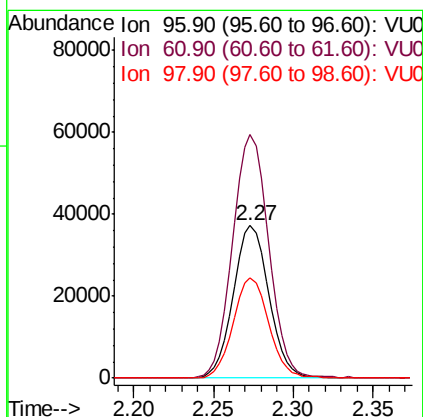
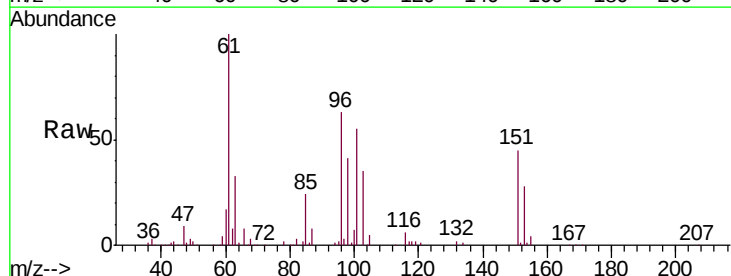
Instrument :
MSVOA_U
ClientSampleId :
VU0912WBSD01

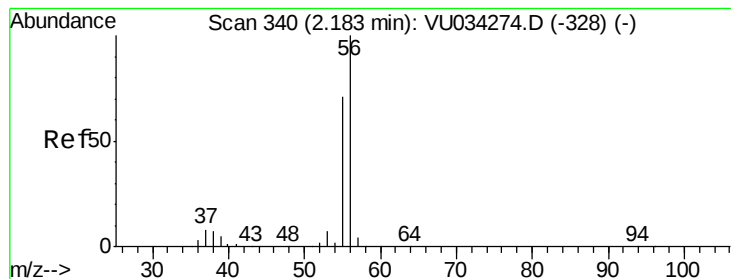
Tgt Ion: 59 Resp: 80780
Ion Ratio Lower Upper
59 100
57 8.5 7.9 11.9



#12
1,1-Dichloroethene
Concen: 20.485 ug/l
RT: 2.27 min Scan# 368
Delta R.T. -0.00 min
Lab File: VU034485.D
Acq: 11 Sep 2019 19:29

Tgt Ion: 96 Resp: 56498
Ion Ratio Lower Upper
96 100
61 159.6 130.0 195.0
98 65.8 52.2 78.4





#13

Acrolein

Concen: 56.722 ug/l

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

Lab File: VU034485.D

Acq: 11 Sep 2019 19:29

Instrument :

MSVOA_U

ClientSampleId :

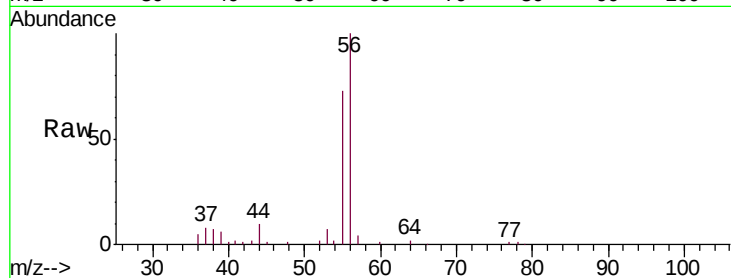
VU0912WBSD01

Tgt Ion: 56 Resp: 38630

Ion Ratio Lower Upper

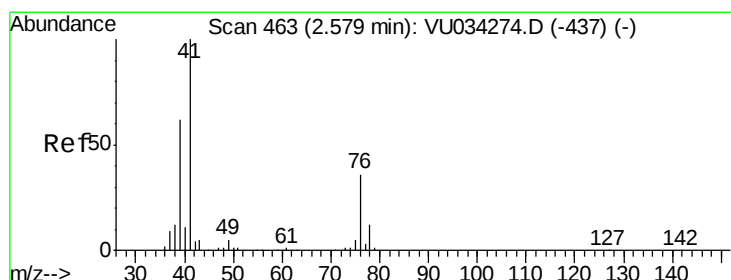
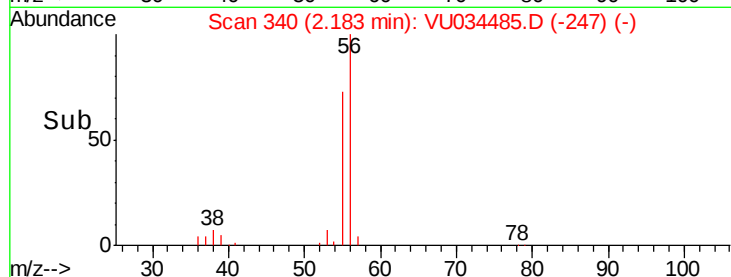
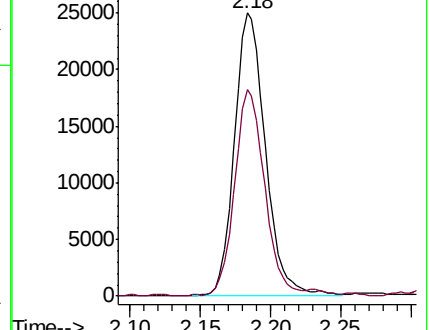
56 100

55 70.3 57.4 86.2



Abundance Ion 56.00 (55.70 to 56.70): VU034274.D (-328) (-)

Ion 55.00 (54.70 to 55.70): VU034274.D (-328) (-)



#14

Allyl chloride

Concen: 17.458 ug/l

RT: 2.58 min Scan# 464

Delta R.T. 0.00 min

Lab File: VU034485.D

Acq: 11 Sep 2019 19:29

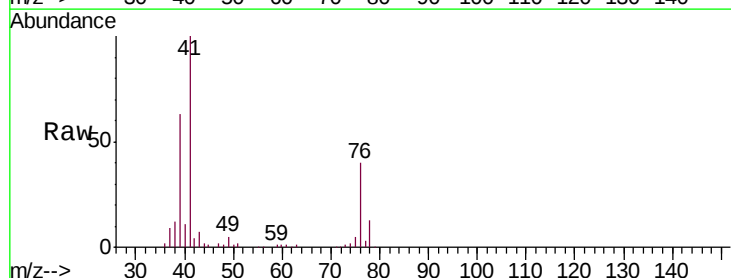
Tgt Ion: 41 Resp: 92052

Ion Ratio Lower Upper

41 100

39 64.1 43.5 65.3

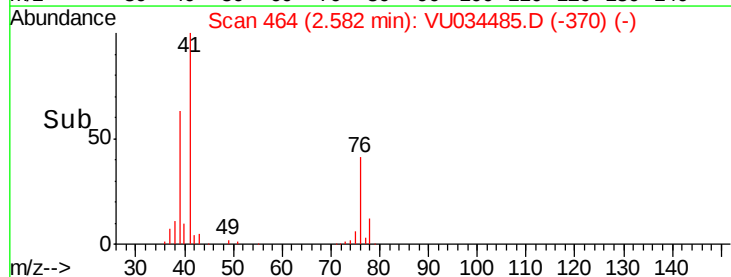
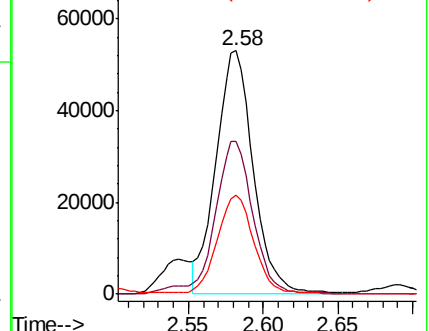
76 39.8 27.0 40.6

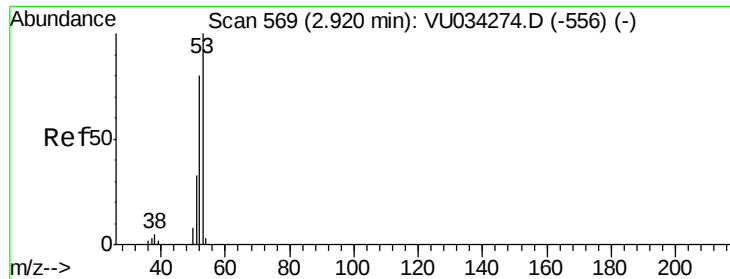


Abundance Ion 41.00 (40.70 to 41.70): VU034274.D (-437) (-)

Ion 39.00 (38.70 to 39.70): VU034274.D (-437) (-)

Ion 75.90 (75.60 to 76.60): VU034274.D (-437) (-)





#15

Acrylonitrile

Concen: 107.312 ug/l

RT: 2.92 min Scan# 569

Delta R.T. -0.00 min

Lab File: VU034485.D

Acq: 11 Sep 2019 19:29

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBSD01

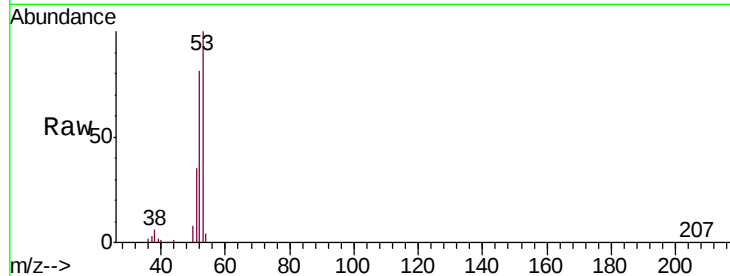
Tgt Ion: 53 Resp: 216536

Ion Ratio Lower Upper

53 100

52 81.0 64.1 96.1

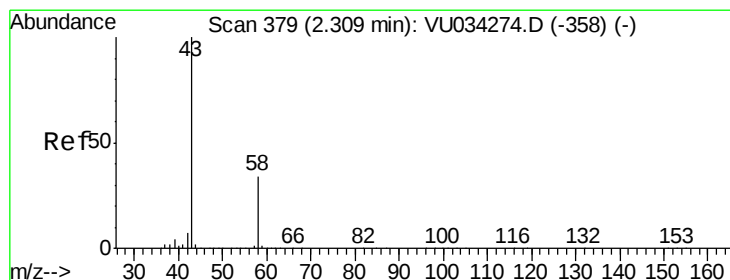
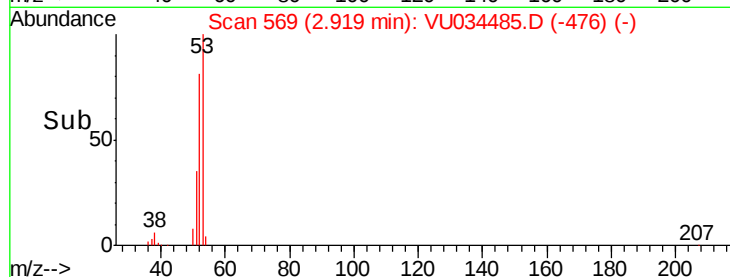
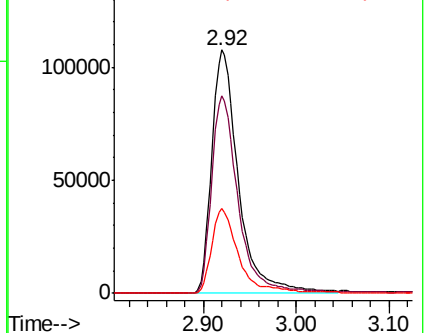
51 35.0 27.4 41.0



Abundance Ion 53.00 (52.70 to 53.70): VU034274.D (-556) (-)

Ion 52.00 (51.70 to 52.70): VU034274.D (-556) (-)

Ion 51.00 (50.70 to 51.70): VU034274.D (-556) (-)



#16

Acetone

Concen: 88.438 ug/l

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VU034485.D

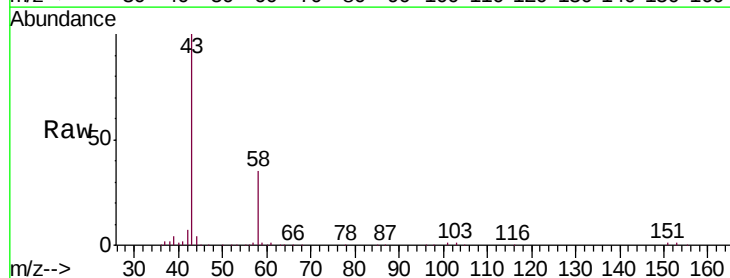
Acq: 11 Sep 2019 19:29

Tgt Ion: 43 Resp: 175534

Ion Ratio Lower Upper

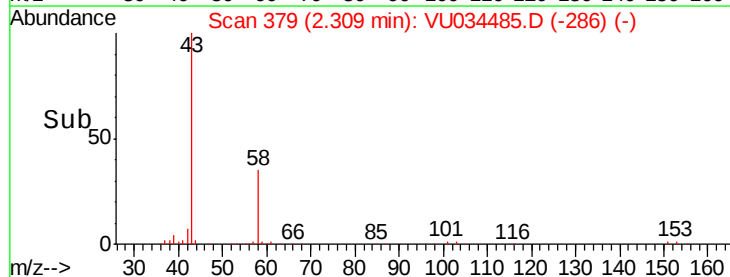
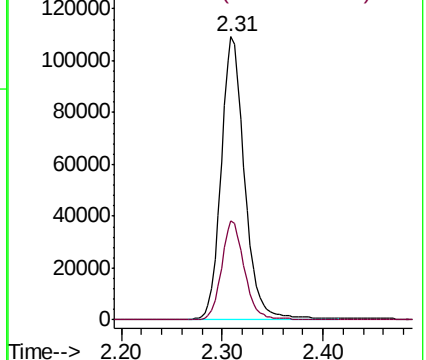
43 100

58 35.1 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VU034274.D (-358) (-)

Ion 58.00 (57.70 to 58.70): VU034274.D (-358) (-)

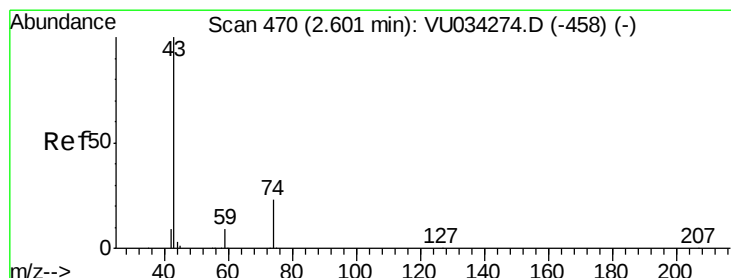
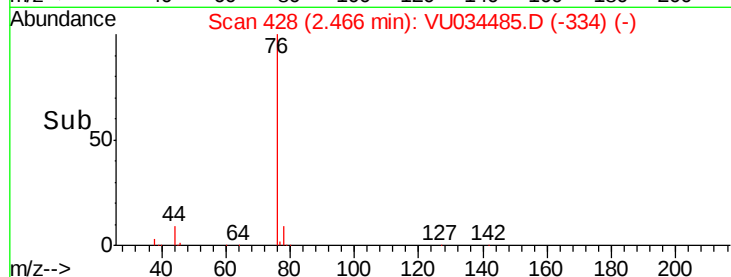
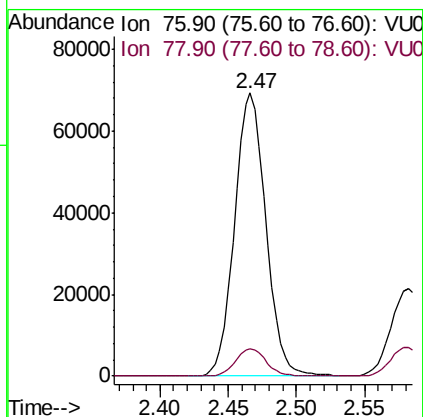
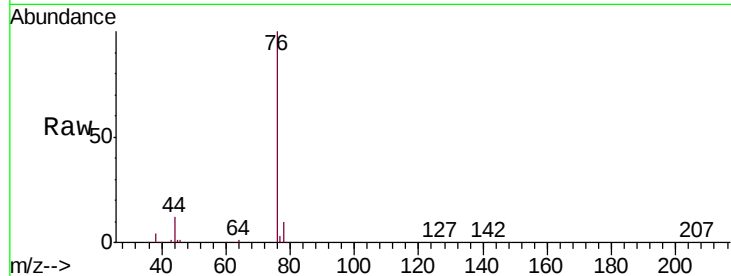




#17
Carbon Disulfide
Concen: 17.800 ug/l
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VU034485.D
Acq: 11 Sep 2019 19:29

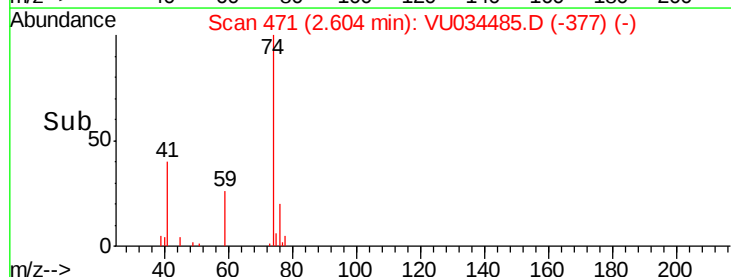
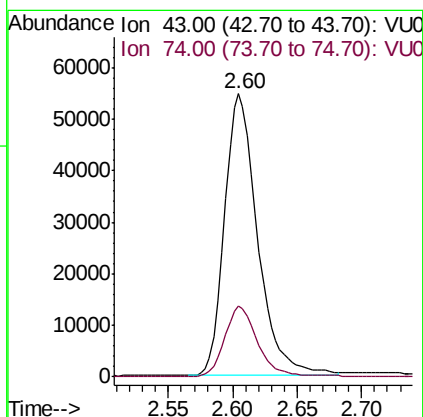
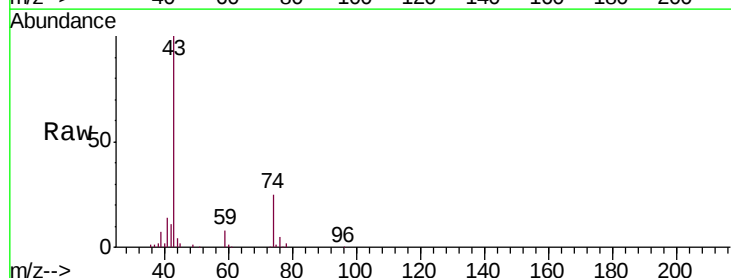
Instrument :
MSVOA_U
ClientSampleId :
VU0912WBSD01

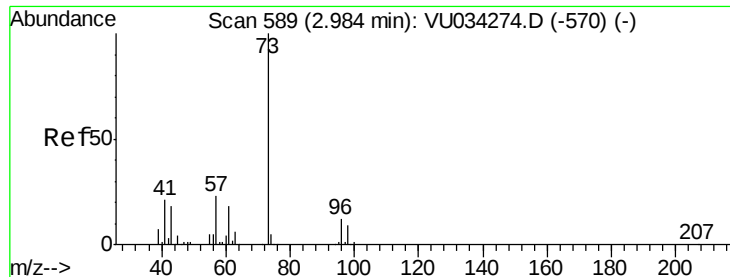
Tgt Ion: 76 Resp: 110337
Ion Ratio Lower Upper
76 100
78 9.6 7.2 10.8



#18
Methyl Acetate
Concen: 20.190 ug/l
RT: 2.60 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU034485.D
Acq: 11 Sep 2019 19:29

Tgt Ion: 43 Resp: 97511
Ion Ratio Lower Upper
43 100
74 25.0 18.9 28.3

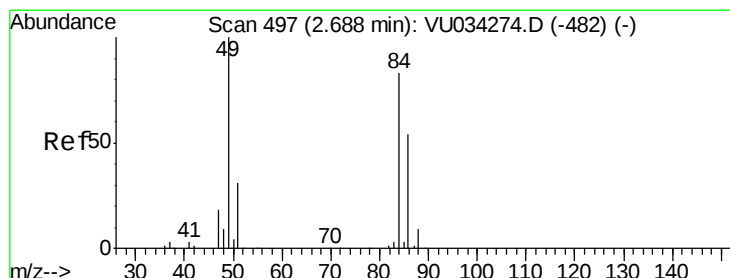
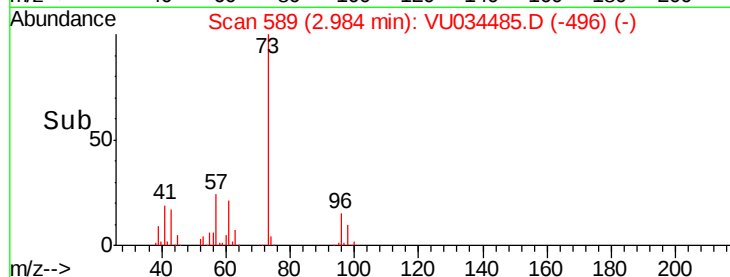
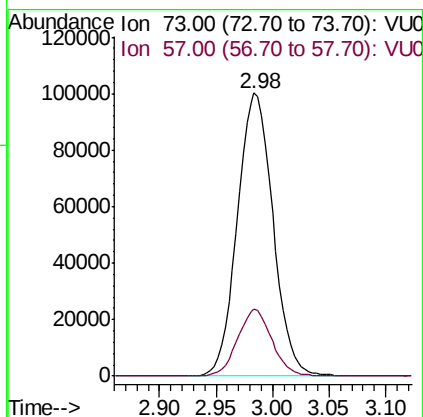
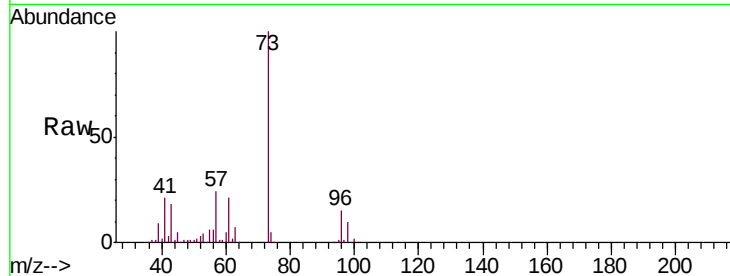




#19
Methyl tert-butyl Ether
Concen: 21.870 ug/l
RT: 2.98 min Scan# 589
Delta R.T. -0.00 min
Lab File: VU034485.D
Acq: 11 Sep 2019 19:29

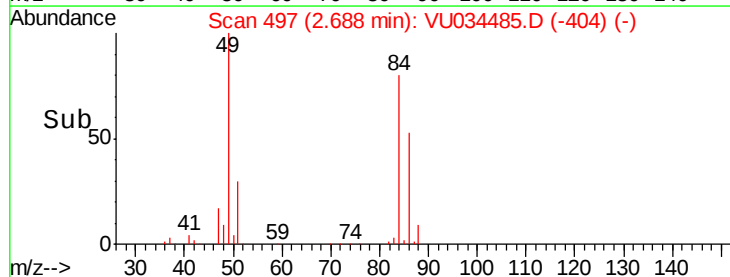
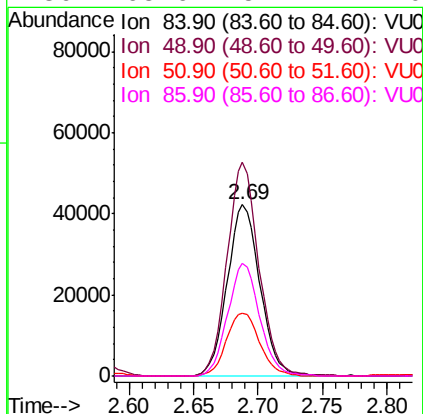
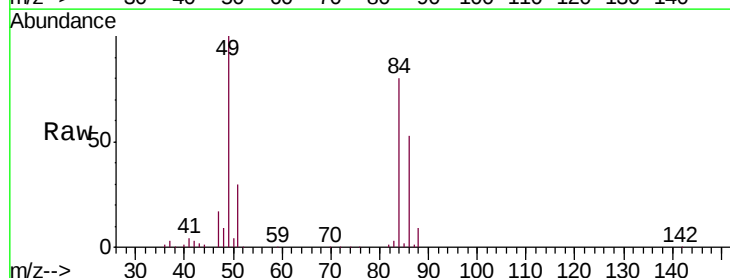
Instrument :
MSVOA_U
ClientSampleId :
VU0912WBSD01

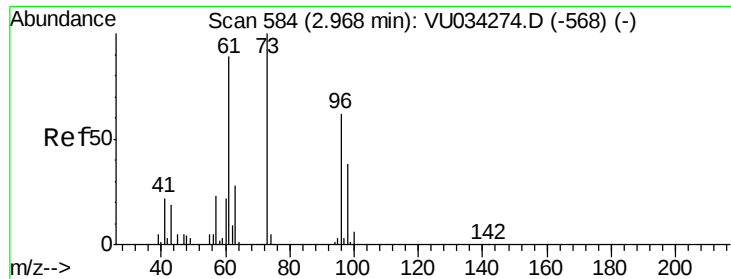
Tgt Ion: 73 Resp: 219856
Ion Ratio Lower Upper
73 100
57 23.8 18.2 27.4



#20
Methylene Chloride
Concen: 22.699 ug/l
RT: 2.69 min Scan# 497
Delta R.T. -0.00 min
Lab File: VU034485.D
Acq: 11 Sep 2019 19:29

Tgt Ion: 84 Resp: 74504
Ion Ratio Lower Upper
84 100
49 124.8 96.0 144.0
51 37.0 30.0 45.0
86 65.6 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 20.433 ug/l

RT: 2.97 min Scan# 584

Delta R.T. -0.00 min

Lab File: VU034485.D

Acq: 11 Sep 2019 19:29

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBSD01

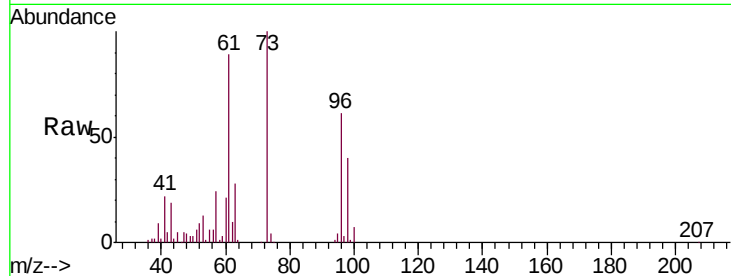
Tgt Ion: 96 Resp: 59387

Ion Ratio Lower Upper

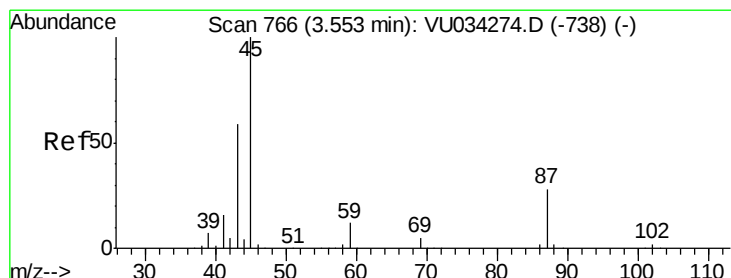
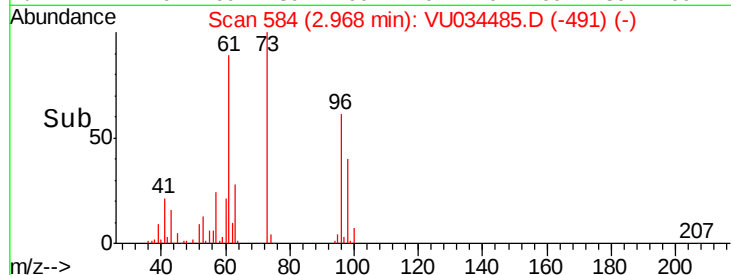
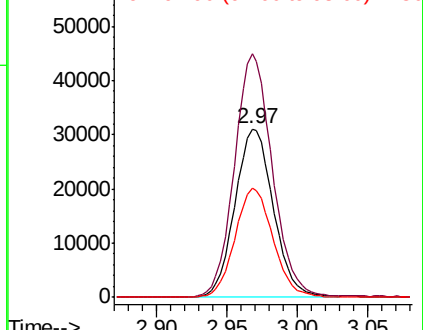
96 100

61 144.5 114.8 172.2

98 64.7 49.8 74.8



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



#22

Diisopropyl ether

Concen: 22.355 ug/l

RT: 3.55 min Scan# 766

Delta R.T. -0.00 min

Lab File: VU034485.D

Acq: 11 Sep 2019 19:29

Tgt Ion: 45 Resp: 229874

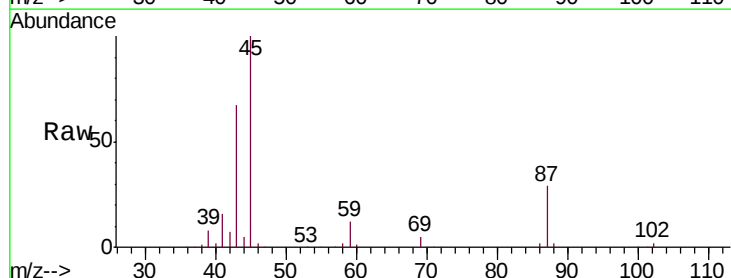
Ion Ratio Lower Upper

45 100

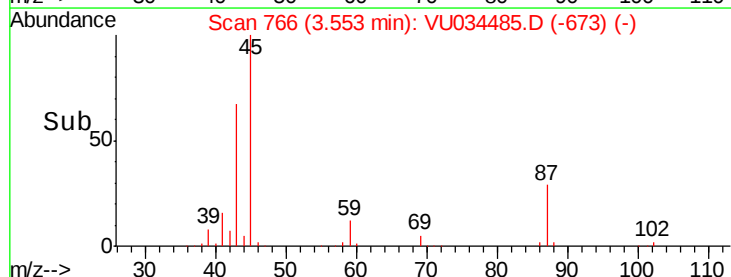
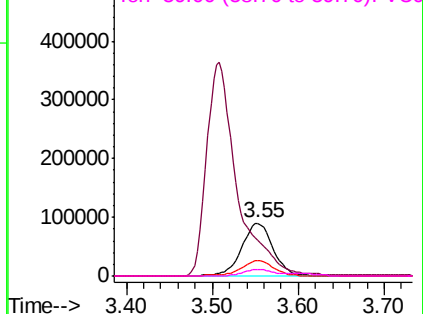
43 65.6 47.5 71.3

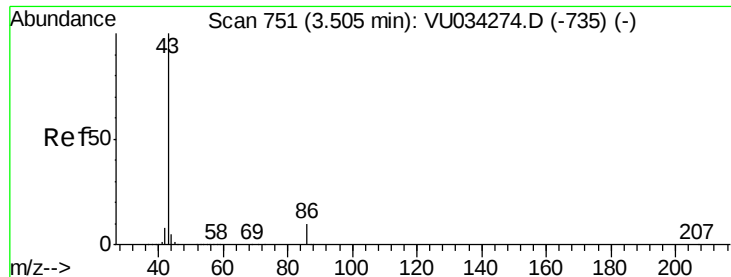
87 29.0 22.2 33.4

59 12.3 9.4 14.2



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





#23

Vinyl Acetate

Concen: 108.149 ug/l

RT: 3.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: VU034485.D

Acq: 11 Sep 2019 19:29

Instrument :

MSVOA_U

ClientSampleId :

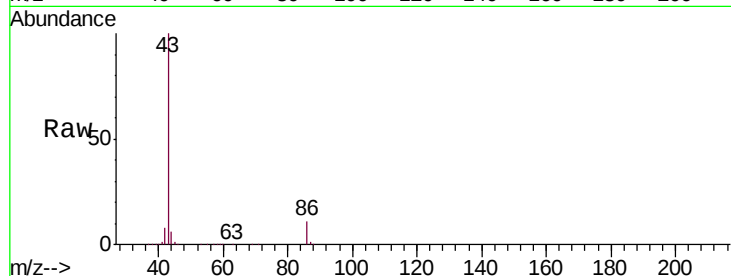
VU0912WBSD01

Tgt Ion: 43 Resp: 905852

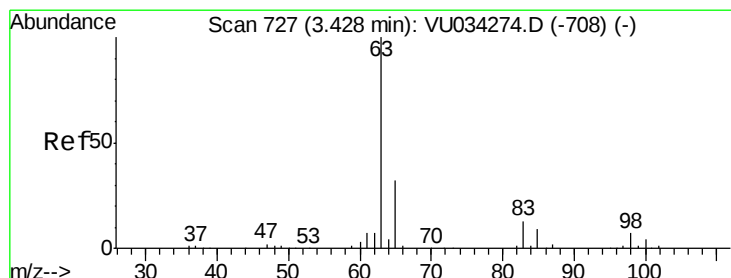
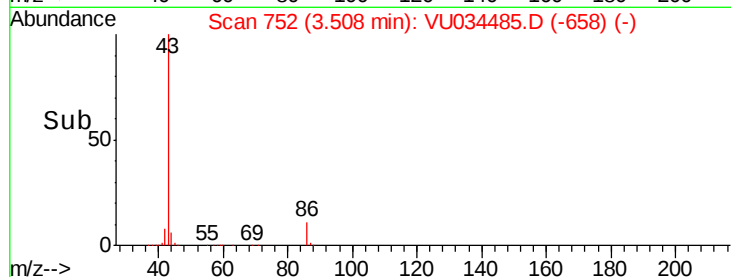
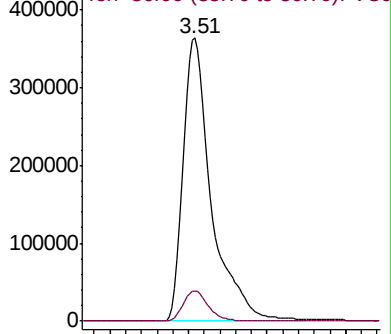
Ion Ratio Lower Upper

43 100

86 10.6 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VU034485.D (-658) (-)



#24

1,1-Dichloroethane

Concen: 21.726 ug/l

RT: 3.43 min Scan# 727

Delta R.T. -0.00 min

Lab File: VU034485.D

Acq: 11 Sep 2019 19:29

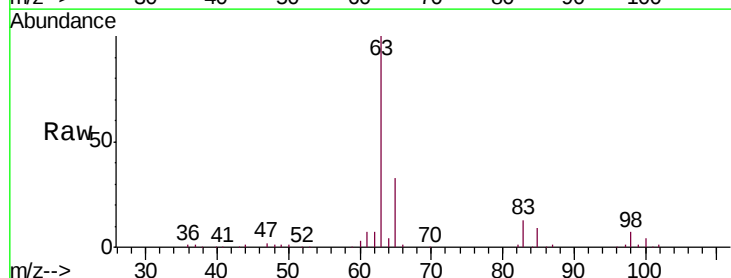
Tgt Ion: 63 Resp: 133418

Ion Ratio Lower Upper

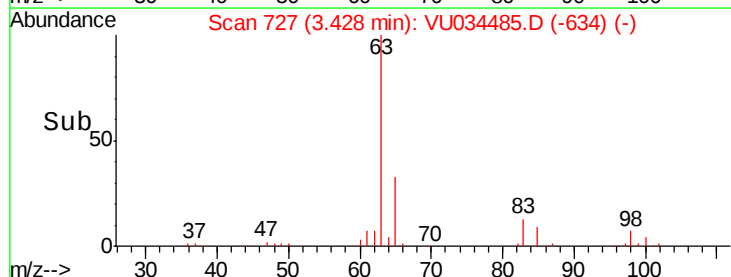
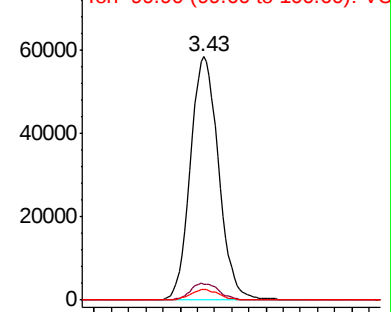
63 100

98 6.7 3.5 10.4

100 4.3 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VU034485.D (-634) (-)

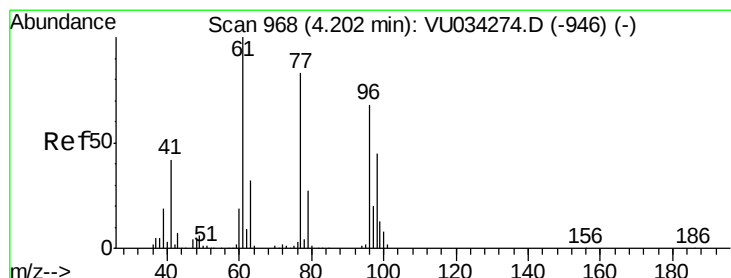
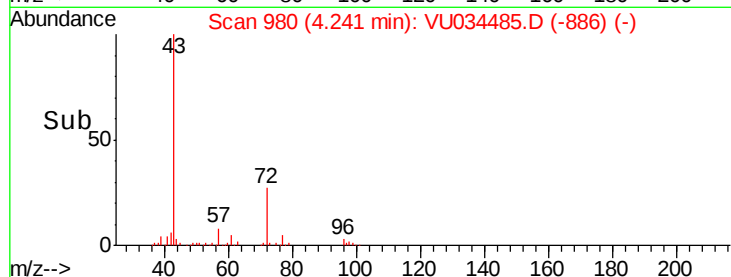
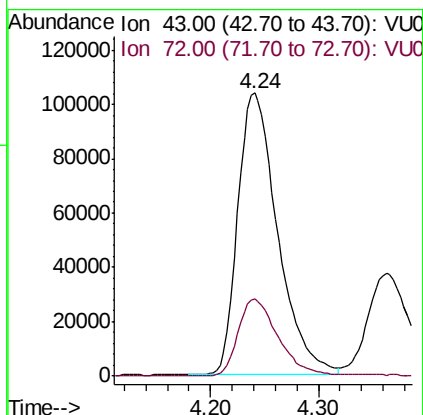
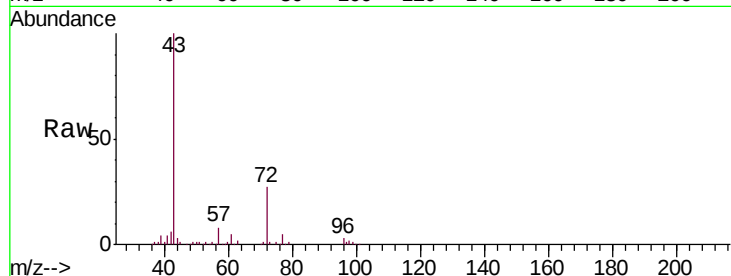




#25
 2-Butanone
 Concen: 100.672 ug/l
 RT: 4.24 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VU034485.D
 Acq: 11 Sep 2019 19:29

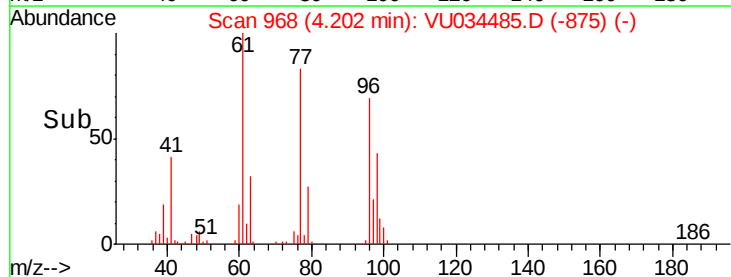
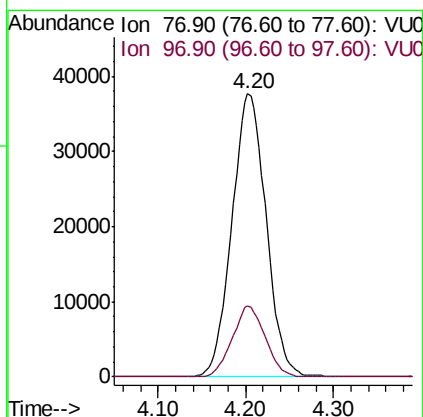
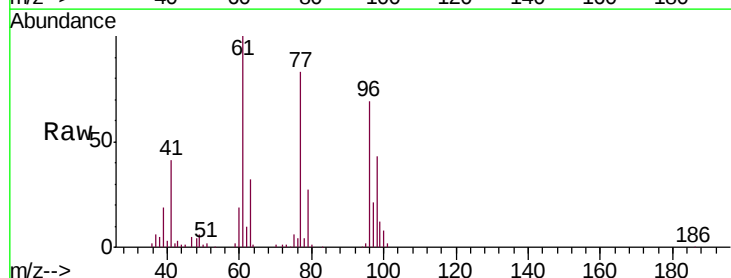
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBSD01

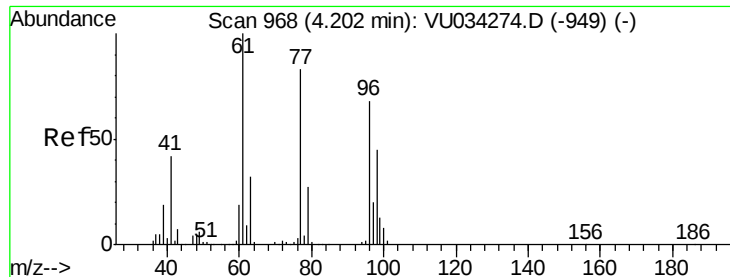
Tgt Ion: 43 Resp: 266729
 Ion Ratio Lower Upper
 43 100
 72 27.3 21.8 32.6



#26
 2,2-Dichloropropane
 Concen: 20.694 ug/l
 RT: 4.20 min Scan# 968
 Delta R.T. -0.00 min
 Lab File: VU034485.D
 Acq: 11 Sep 2019 19:29

Tgt Ion: 77 Resp: 102205
 Ion Ratio Lower Upper
 77 100
 97 24.2 11.8 35.3



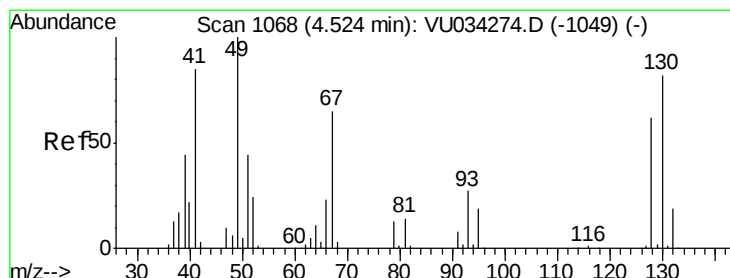
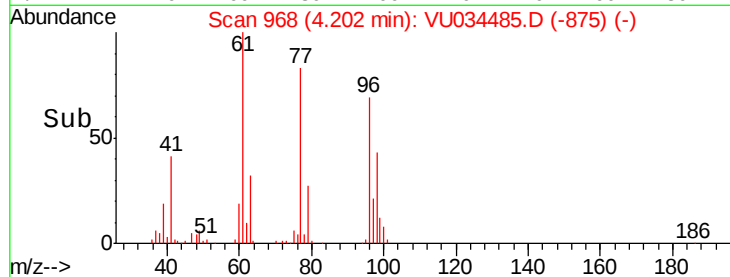
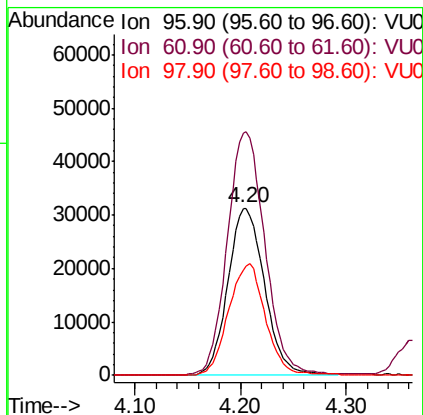
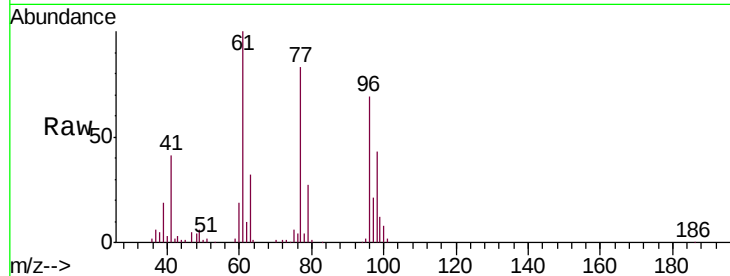


#27

cis-1,2-Dichloroethene
 Concen: 21.440 ug/l
 RT: 4.20 min Scan# 968
 Delta R.T. -0.00 min
 Lab File: VU034485.D
 Acq: 11 Sep 2019 19:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBSD01

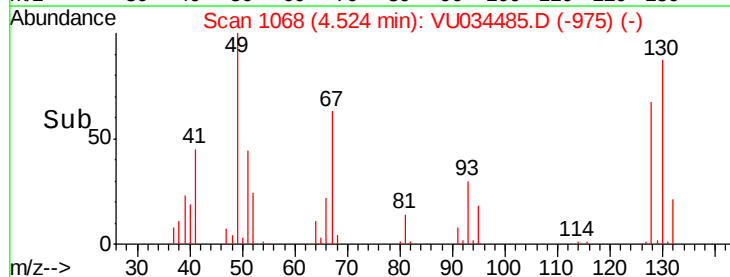
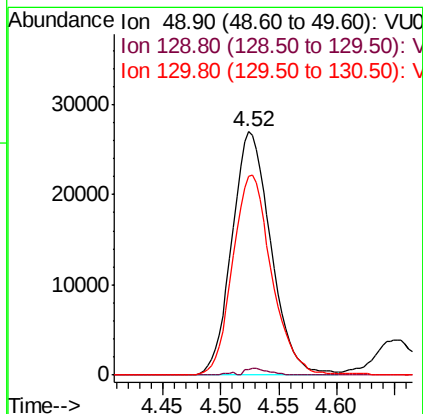
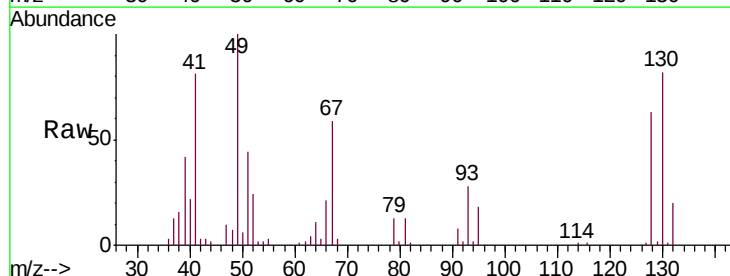
Tgt Ion: 96 Resp: 75680
 Ion Ratio Lower Upper
 96 100
 61 149.6 0.0 297.4
 98 66.5 0.0 130.0

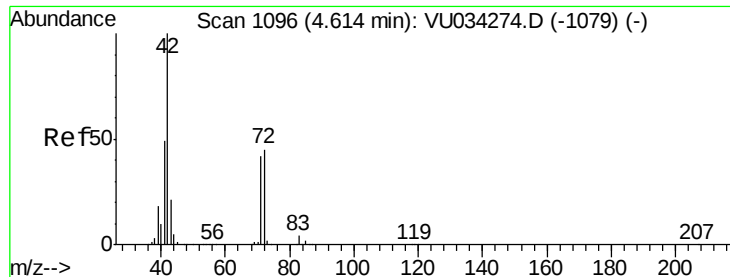


#28

Bromochloromethane
 Concen: 22.382 ug/l
 RT: 4.52 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VU034485.D
 Acq: 11 Sep 2019 19:29

Tgt Ion: 49 Resp: 63217
 Ion Ratio Lower Upper
 49 100
 129 1.6 0.0 3.8
 130 81.7 65.2 97.8





#29

Tetrahydrofuran

Concen: 106.770 ug/l

RT: 4.62 min Scan# 1097

Delta R.T. 0.00 min

Lab File: VU034485.D

Acq: 11 Sep 2019 19:29

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBSD01

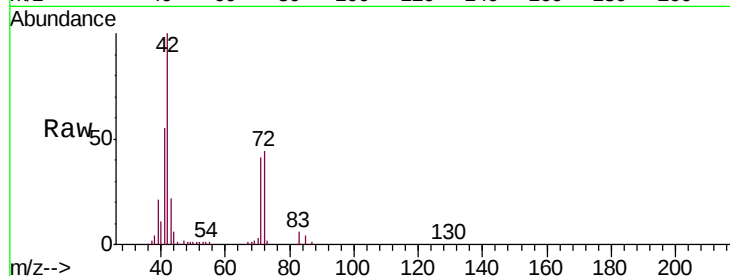
Tgt Ion: 42 Resp: 172137

Ion Ratio Lower Upper

42 100

72 44.5 36.6 54.8

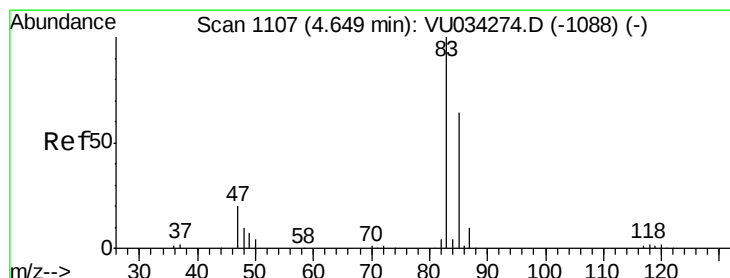
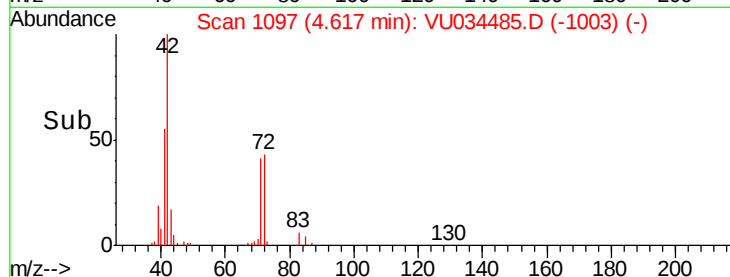
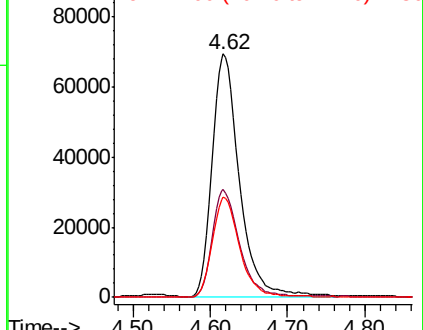
71 41.5 34.3 51.5



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#30

Chloroform

Concen: 21.928 ug/l

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VU034485.D

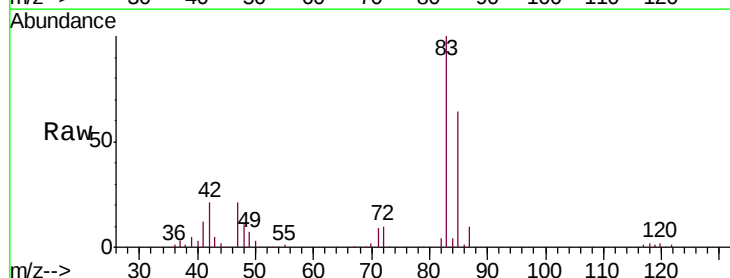
Acq: 11 Sep 2019 19:29

Tgt Ion: 83 Resp: 136875

Ion Ratio Lower Upper

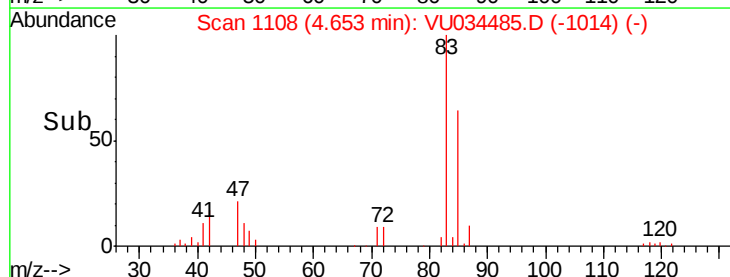
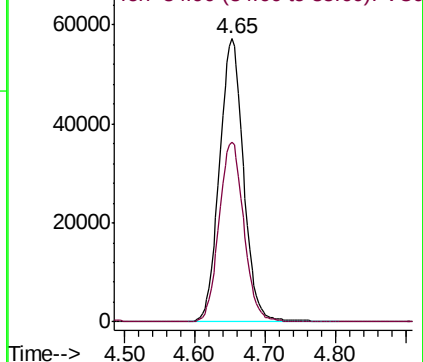
83 100

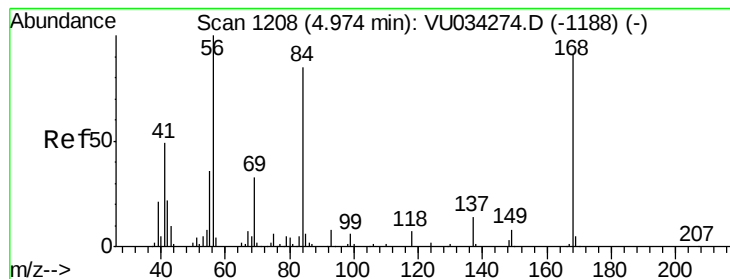
85 63.7 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0





#31

Cyclohexane

Concen: 19.722 ug/l

RT: 4.97 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VU034485.D

Acq: 11 Sep 2019 19:29

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBSD01

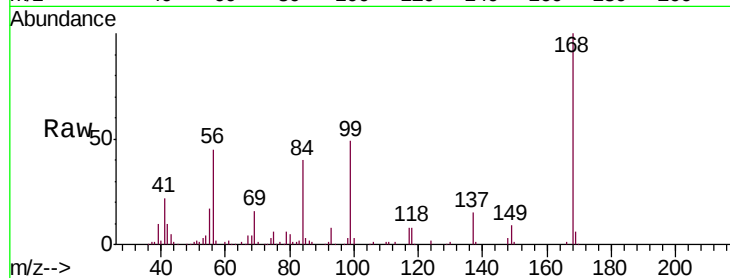
Tgt Ion: 56 Resp: 88601

Ion Ratio Lower Upper

56 100

69 35.5 26.7 40.1

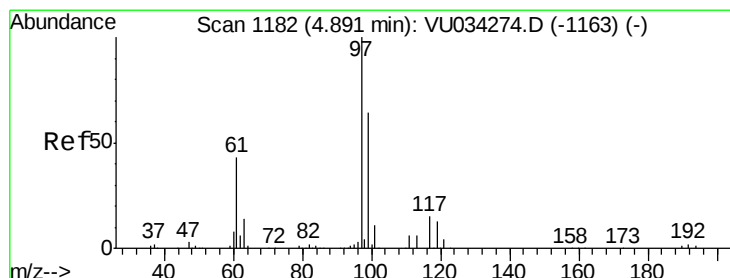
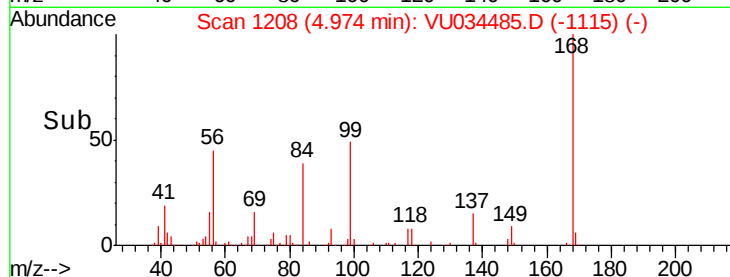
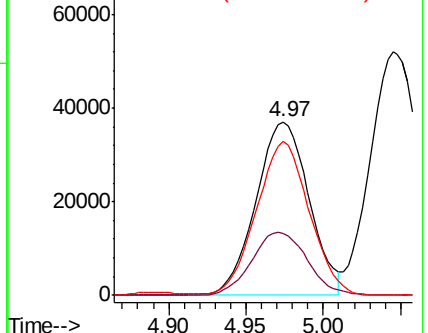
84 87.5 68.2 102.4



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: 21.967 ug/l

RT: 4.89 min Scan# 1183

Delta R.T. 0.00 min

Lab File: VU034485.D

Acq: 11 Sep 2019 19:29

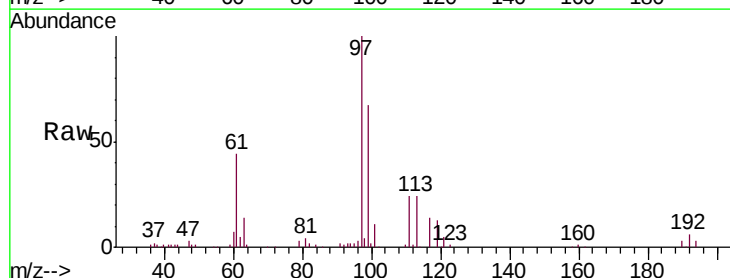
Tgt Ion: 97 Resp: 109627

Ion Ratio Lower Upper

97 100

99 64.6 50.9 76.3

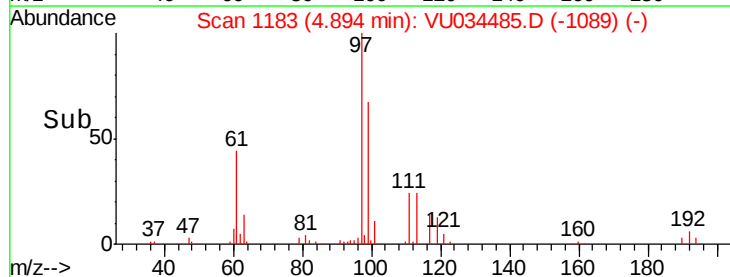
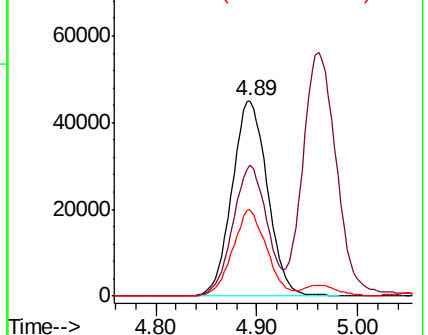
61 42.6 34.7 52.1

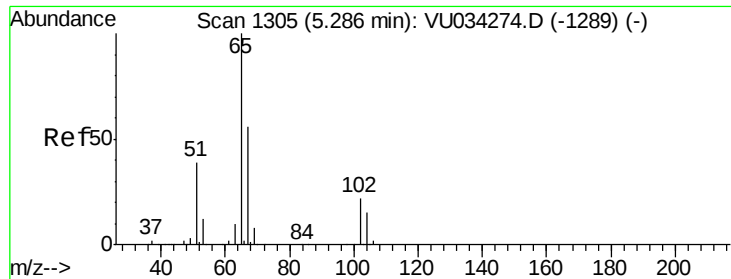


Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 98.90 (98.60 to 99.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

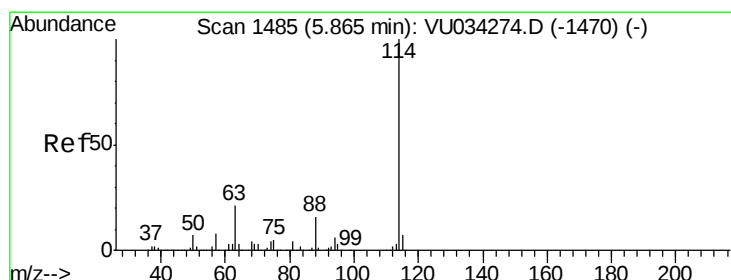
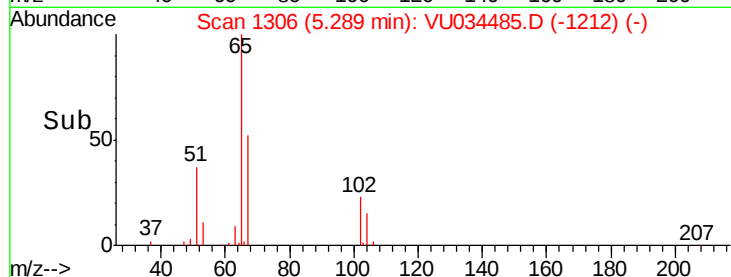
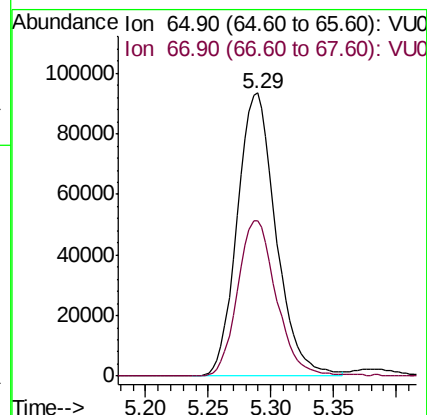
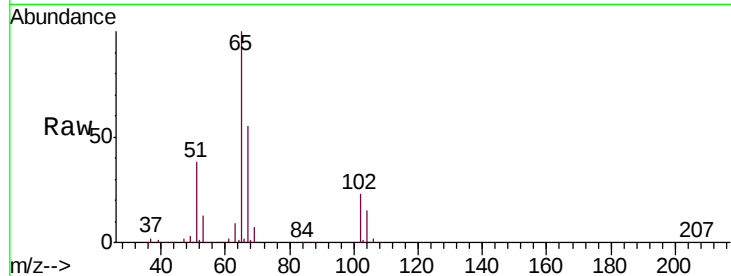




#33
 1,2-Dichloroethane-d4
 Concen: 52.365 ug/l
 RT: 5.29 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: VU034485.D
 Acq: 11 Sep 2019 19:29

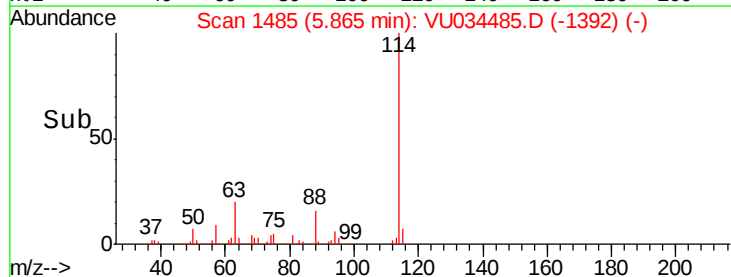
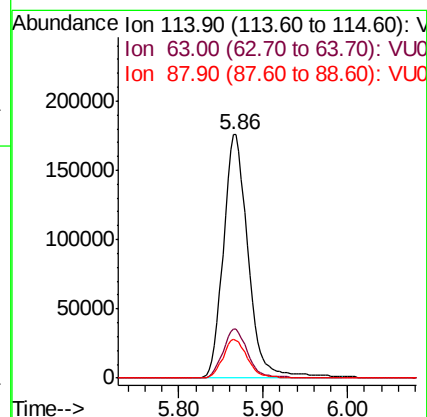
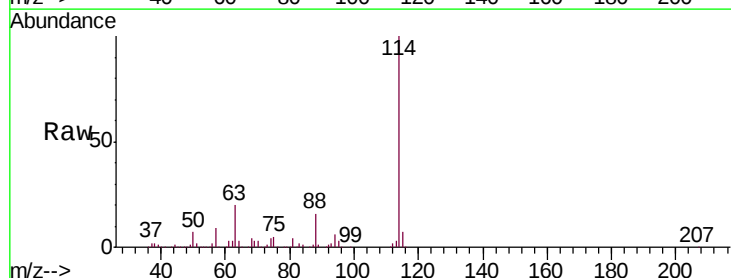
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBSD01

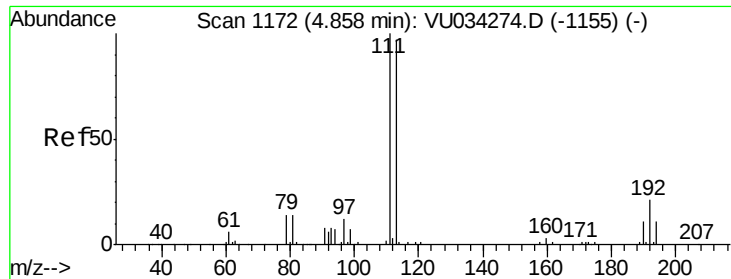
Tgt Ion: 65 Resp: 200842
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 112.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VU034485.D
 Acq: 11 Sep 2019 19:29

Tgt Ion: 114 Resp: 359569
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 42.4
 88 16.1 0.0 32.4





#35

Dibromofluoromethane

Concen: 53.607 ug/l

RT: 4.86 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VU034485.D

Acq: 11 Sep 2019 19:29

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBSD01

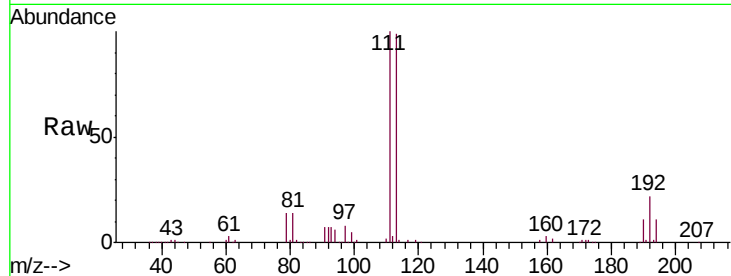
Tgt Ion: 113 Resp: 179359

Ion Ratio Lower Upper

113 100

111 102.9 81.5 122.3

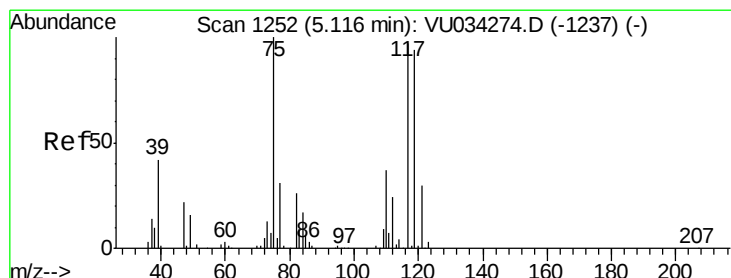
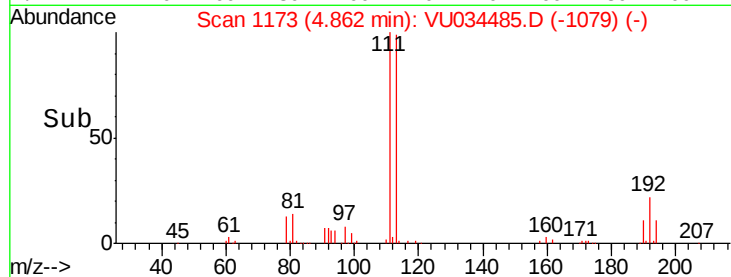
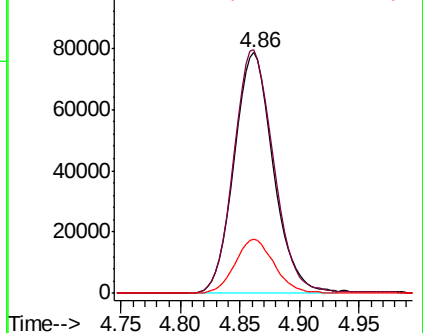
192 22.8 17.8 26.8



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: 20.900 ug/l

RT: 5.12 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VU034485.D

Acq: 11 Sep 2019 19:29

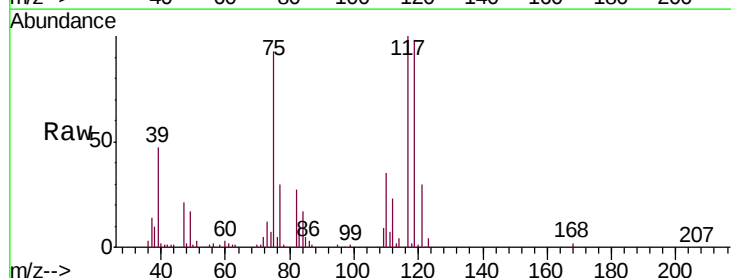
Tgt Ion: 75 Resp: 81502

Ion Ratio Lower Upper

75 100

110 37.2 18.3 54.9

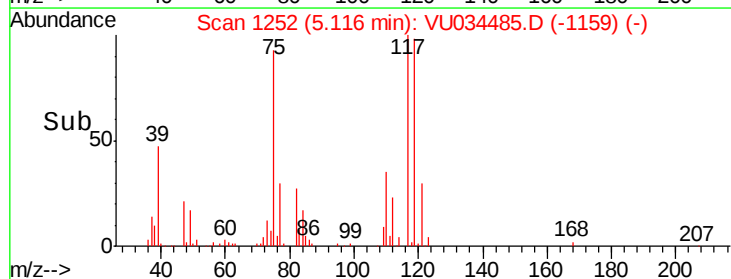
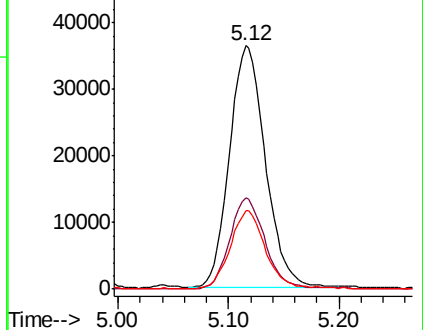
77 31.3 24.9 37.3

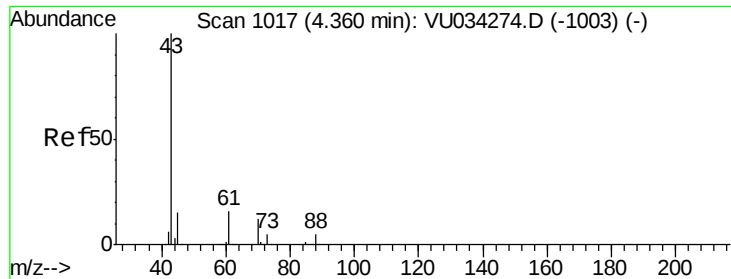


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

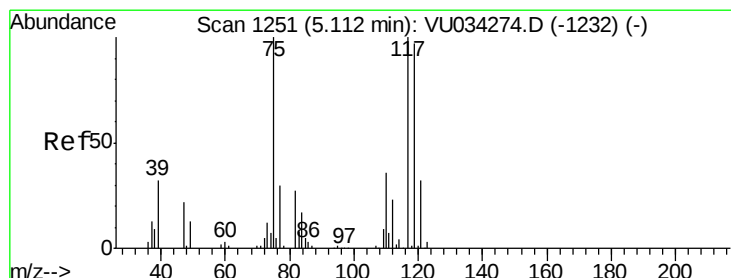
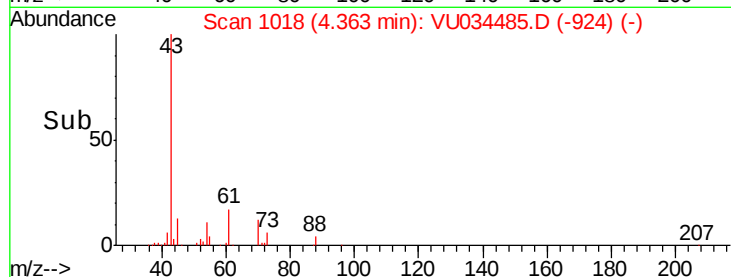
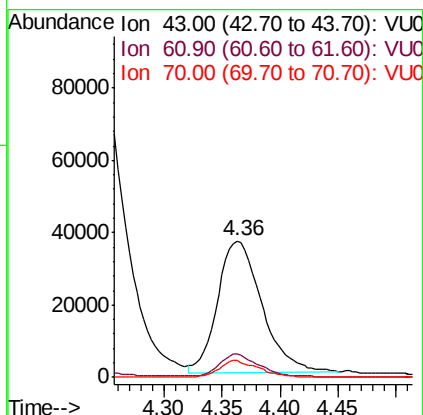
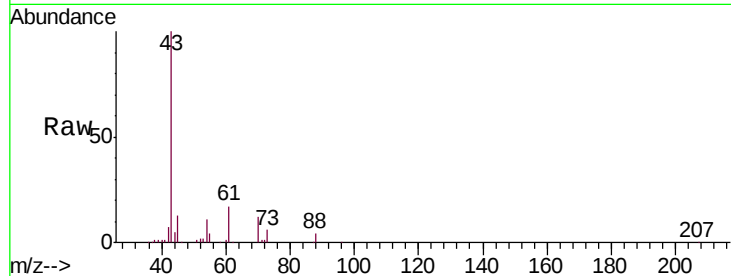




#37
Ethyl Acetate
Concen: 20.985 ug/l
RT: 4.36 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VU034485.D
Acq: 11 Sep 2019 19:29

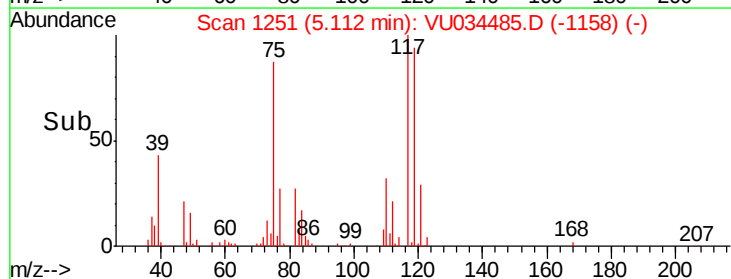
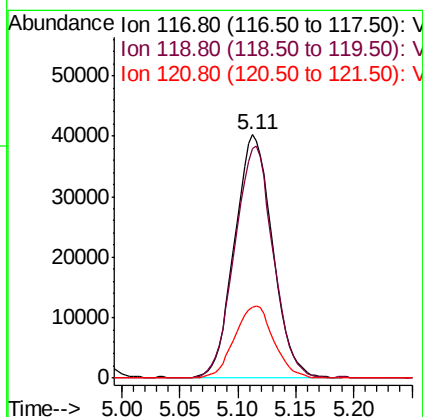
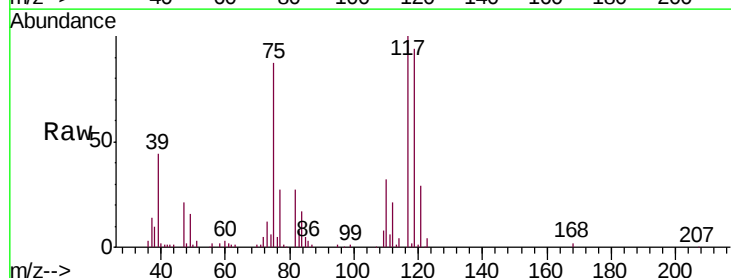
Instrument :
MSVOA_U
ClientSampleId :
VU0912WBSD01

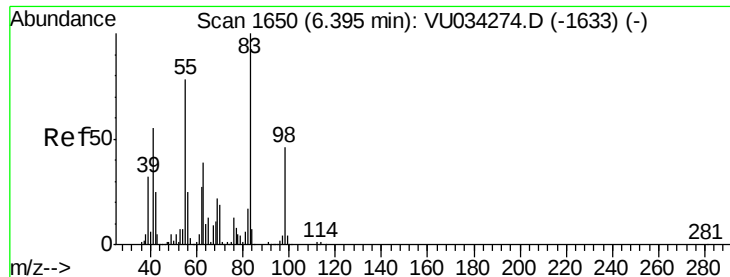
Tgt Ion: 43 Resp: 96753
Ion Ratio Lower Upper
43 100
61 15.6 12.3 18.5
70 11.6 9.1 13.7



#38
Carbon Tetrachloride
Concen: 22.115 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VU034485.D
Acq: 11 Sep 2019 19:29

Tgt Ion: 117 Resp: 92079
Ion Ratio Lower Upper
117 100
119 94.1 77.8 116.6
121 29.2 25.2 37.8

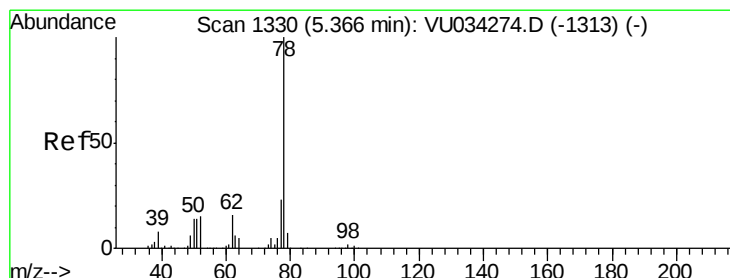
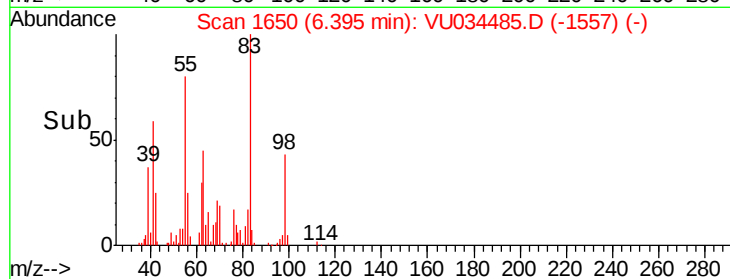
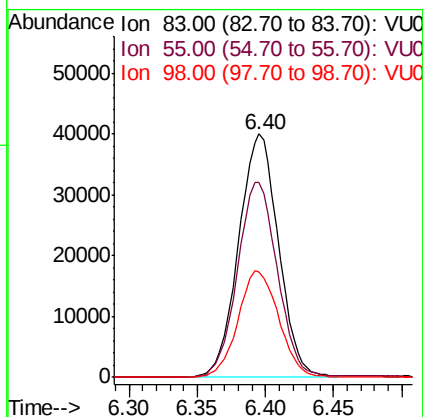
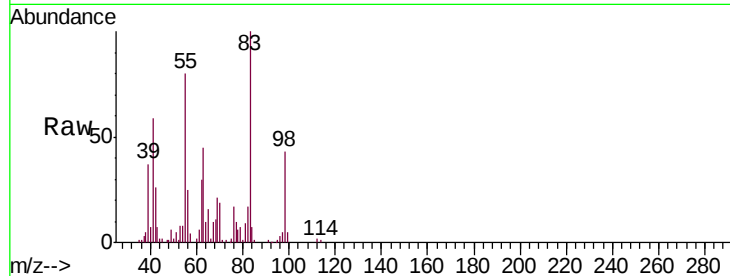




#39
Methylcyclohexane
Concen: 19.479 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. -0.00 min
Lab File: VU034485.D
Acq: 11 Sep 2019 19:29

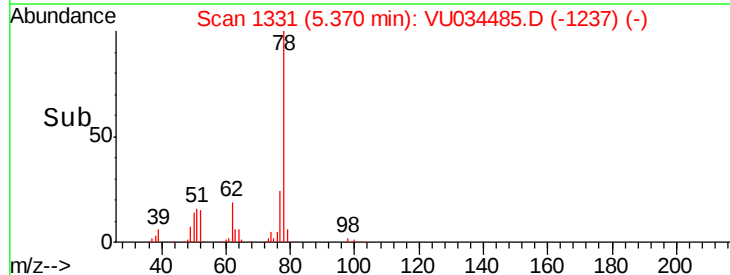
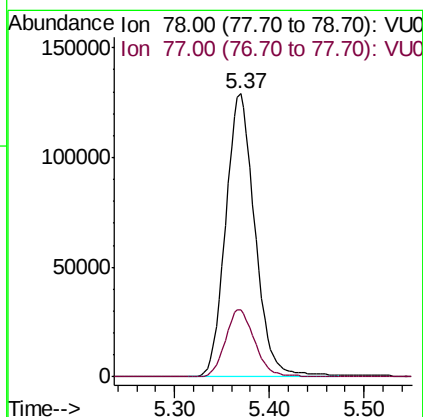
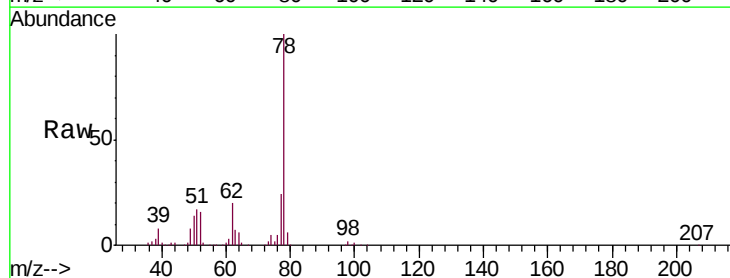
Instrument :
MSVOA_U
ClientSampleId :
VU0912WBSD01

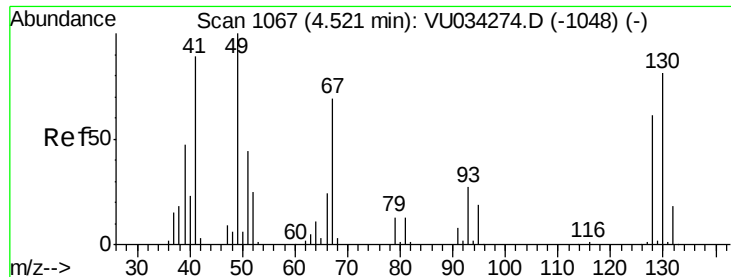
Tgt Ion: 83 Resp: 81202
Ion Ratio Lower Upper
83 100
55 80.1 62.1 93.1
98 43.2 37.0 55.6



#40
Benzene
Concen: 22.079 ug/l
RT: 5.37 min Scan# 1331
Delta R.T. 0.00 min
Lab File: VU034485.D
Acq: 11 Sep 2019 19:29

Tgt Ion: 78 Resp: 277825
Ion Ratio Lower Upper
78 100
77 23.6 18.7 28.1





#41

Methacrylonitrile

Concen: 22.366 ug/l

RT: 4.52 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VU034485.D

Acq: 11 Sep 2019 19:29

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBSD01

Tgt Ion: 41 Resp: 54927

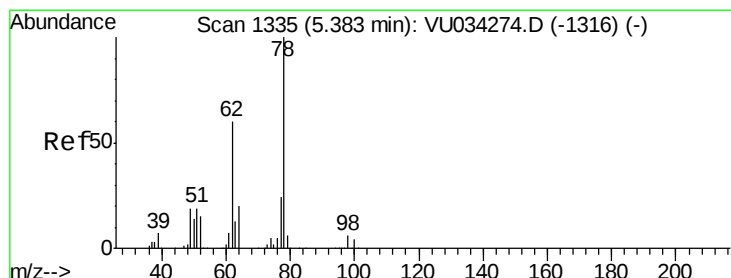
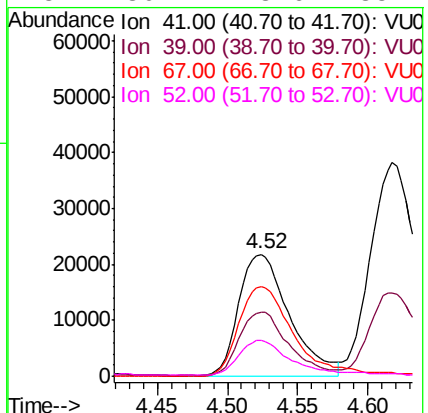
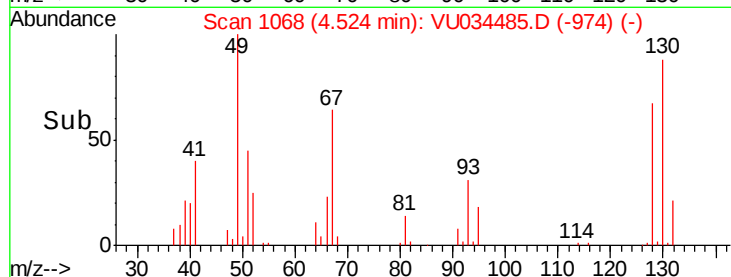
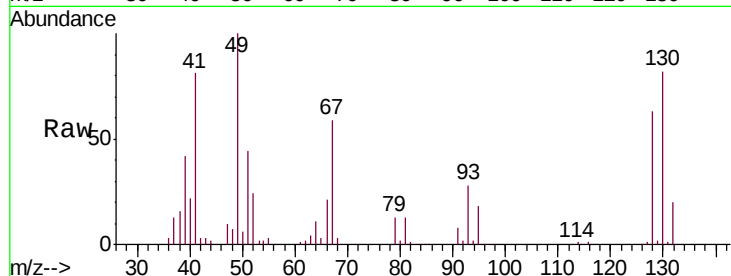
Ion Ratio Lower Upper

41 100

39 50.7 41.0 61.4

67 78.9 62.4 93.6

52 30.2 23.6 35.4



#42

1,2-Dichloroethane

Concen: 22.893 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU034485.D

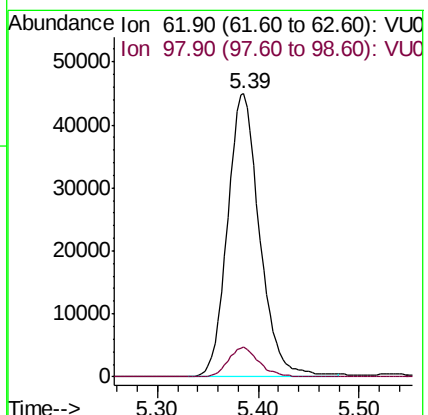
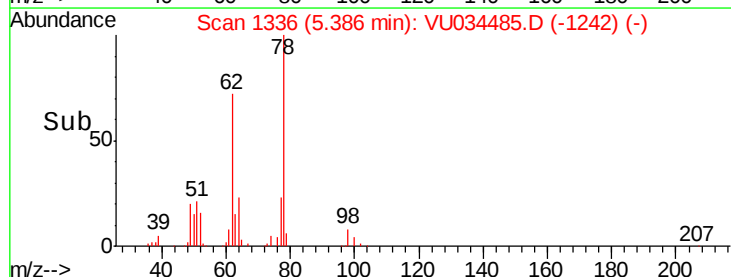
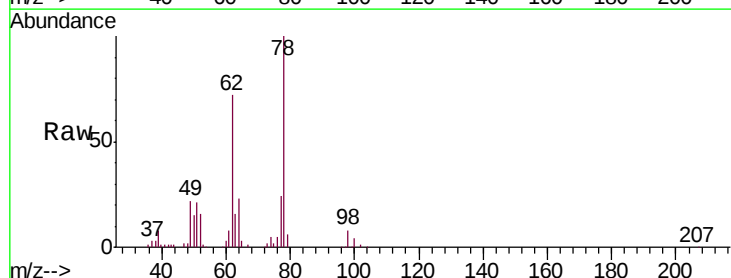
Acq: 11 Sep 2019 19:29

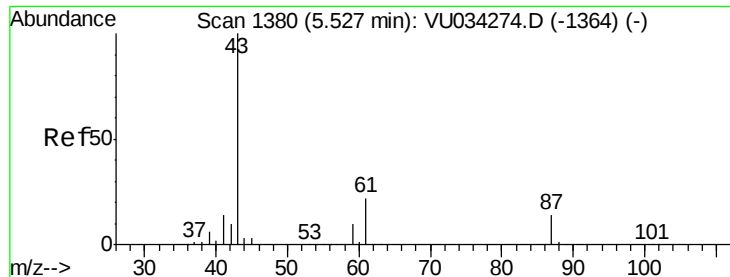
Tgt Ion: 62 Resp: 100012

Ion Ratio Lower Upper

62 100

98 10.0 0.0 20.0





#43

Isopropyl Acetate

Concen: 21.638 ug/l

RT: 5.53 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VU034485.D

Acq: 11 Sep 2019 19:29

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBSD01

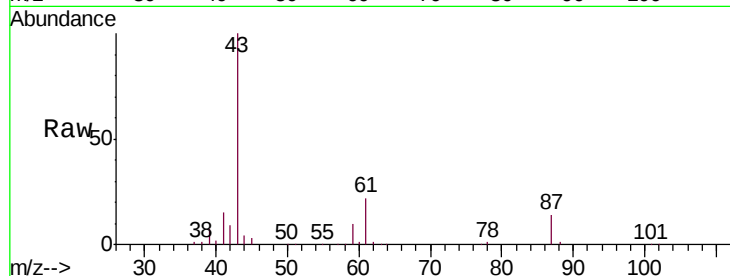
Tgt Ion: 43 Resp: 155631

Ion Ratio Lower Upper

43 100

61 22.2 17.1 25.7

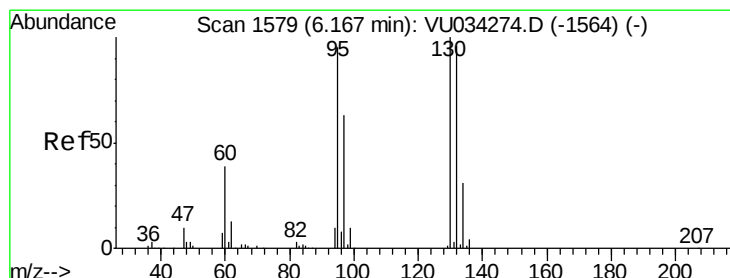
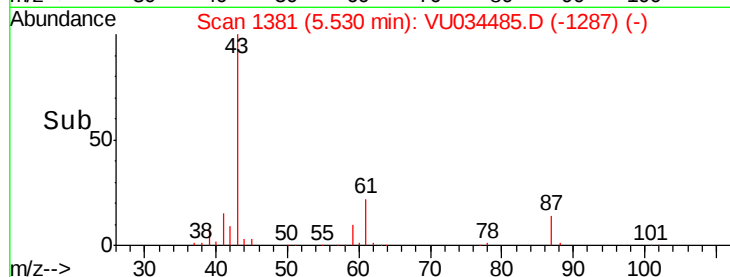
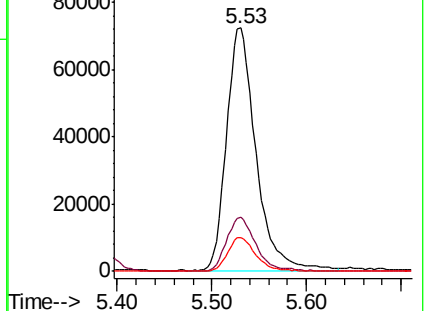
87 13.6 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): VU034485.D (-1287) (-)

Ion 61.00 (60.70 to 61.70): VU034485.D (-1287) (-)

Ion 87.00 (86.70 to 87.70): VU034485.D (-1287) (-)



#44

Trichloroethene

Concen: 22.169 ug/l

RT: 6.17 min Scan# 1579

Delta R.T. -0.00 min

Lab File: VU034485.D

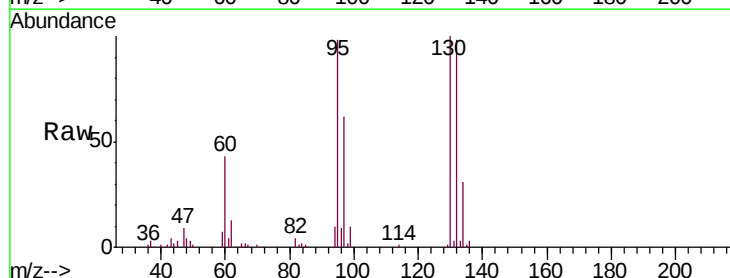
Acq: 11 Sep 2019 19:29

Tgt Ion: 130 Resp: 77193

Ion Ratio Lower Upper

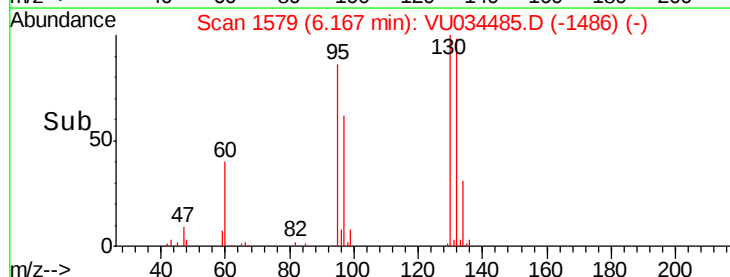
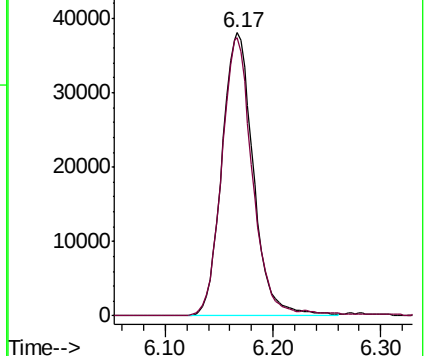
130 100

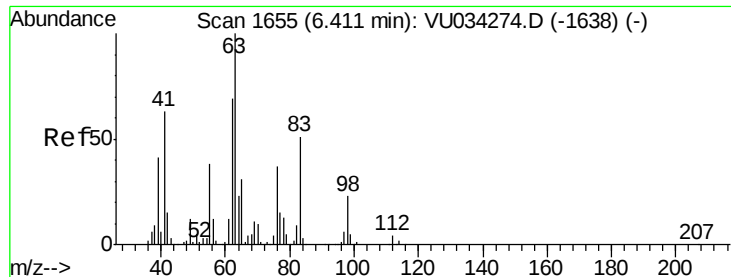
95 98.5 0.0 189.2



Abundance Ion 129.80 (129.50 to 130.50): VU034485.D (-1486) (-)

Ion 94.90 (94.60 to 95.60): VU034485.D (-1486) (-)





#45

1,2-Dichloropropane

Concen: 22.562 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VU034485.D

Acq: 11 Sep 2019 19:29

Instrument :

MSVOA_U

ClientSampleId :

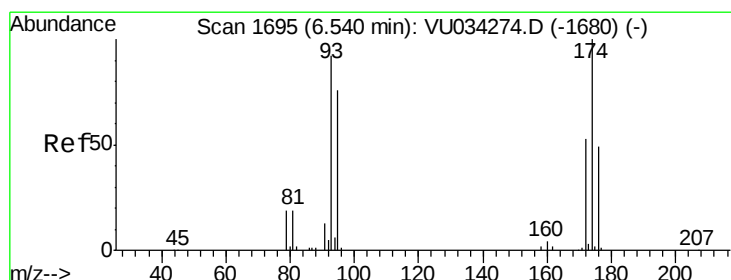
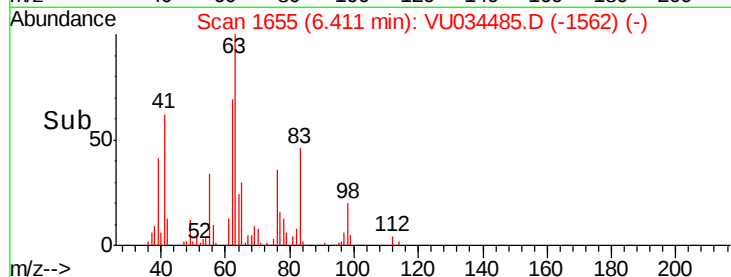
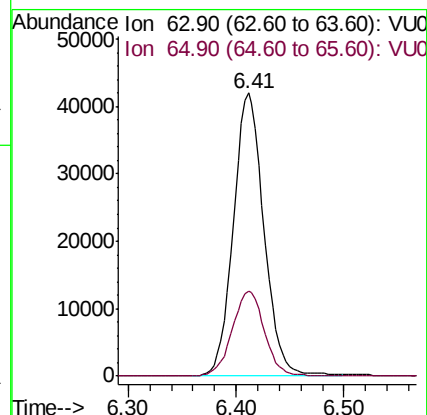
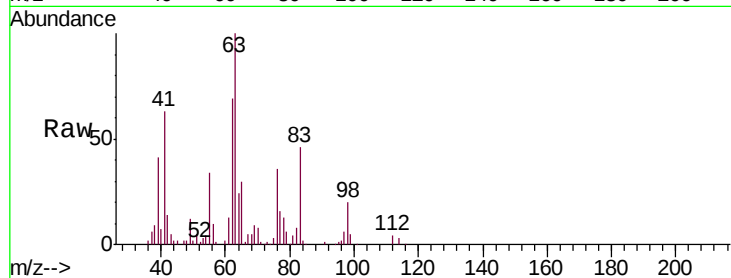
VU0912WBSD01

Tgt Ion: 63 Resp: 82995

Ion Ratio Lower Upper

63 100

65 30.1 24.6 37.0



#46

Dibromomethane

Concen: 22.099 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. -0.00 min

Lab File: VU034485.D

Acq: 11 Sep 2019 19:29

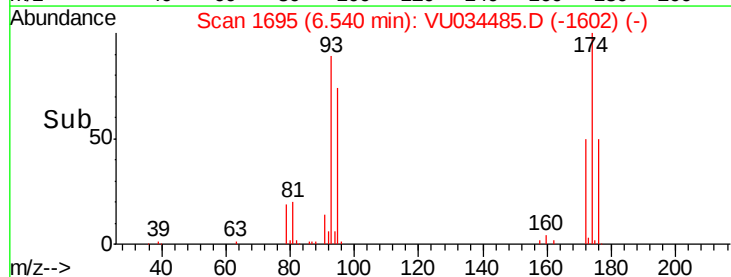
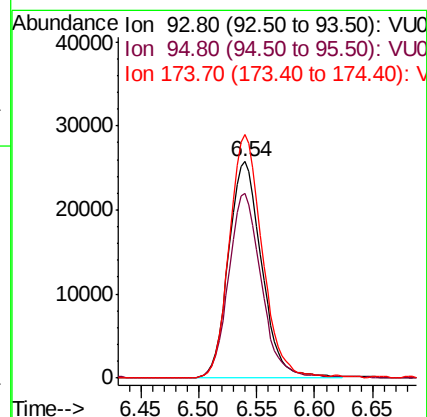
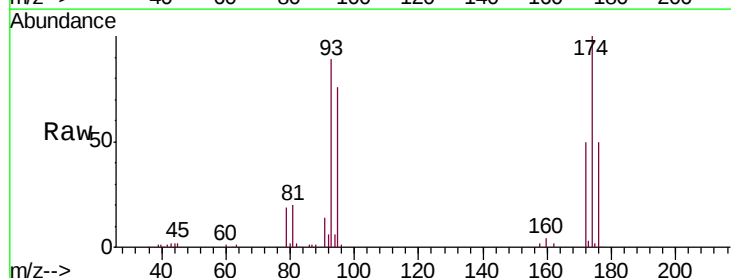
Tgt Ion: 93 Resp: 51028

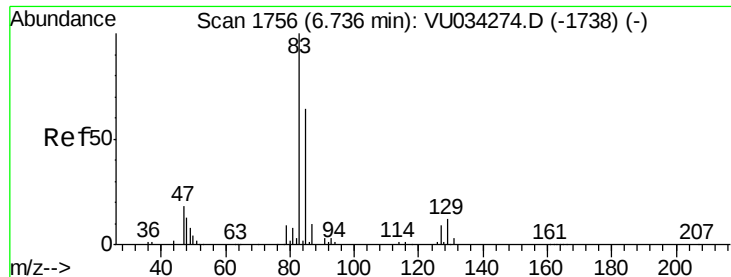
Ion Ratio Lower Upper

93 100

95 83.9 66.5 99.7

174 110.9 87.8 131.6

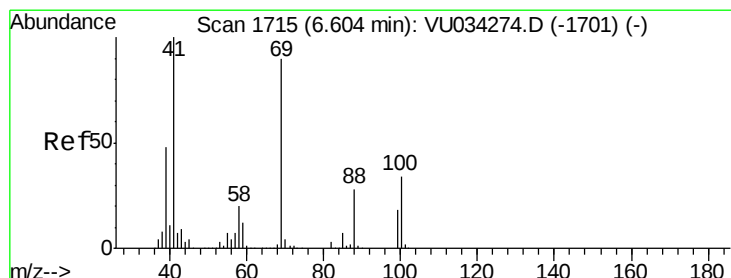
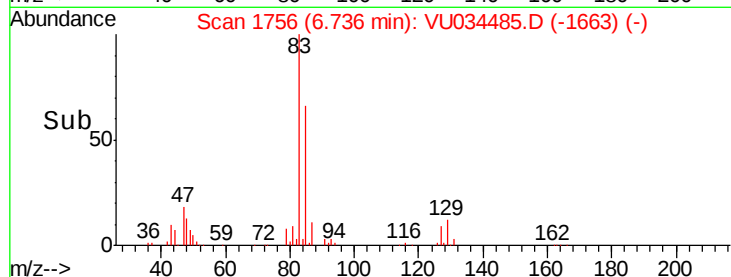
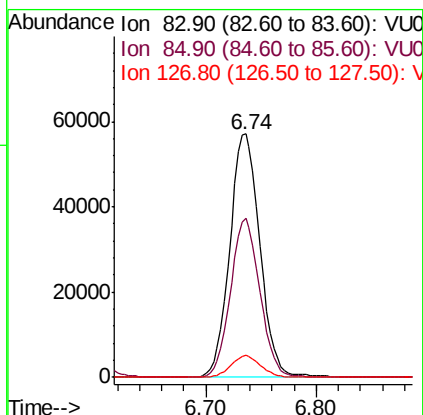
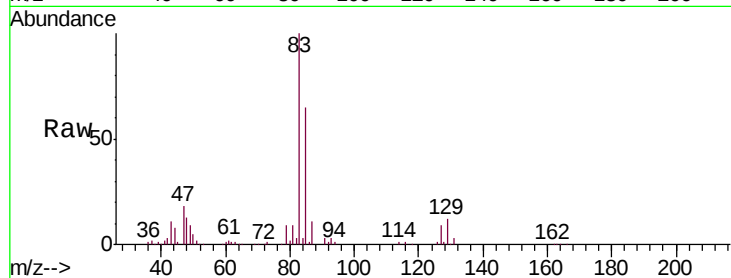




#47
 Bromodichloromethane
 Concen: 22.759 ug/l
 RT: 6.74 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VU034485.D
 Acq: 11 Sep 2019 19:29

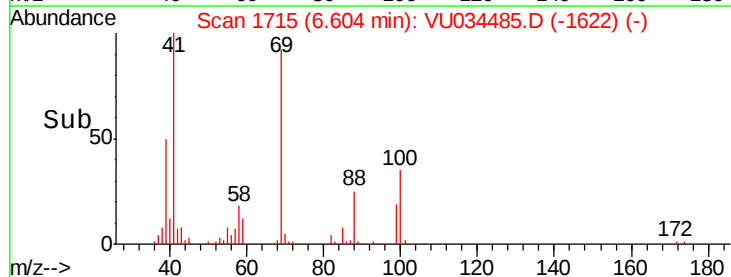
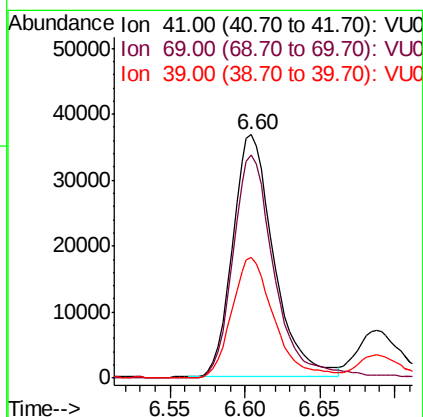
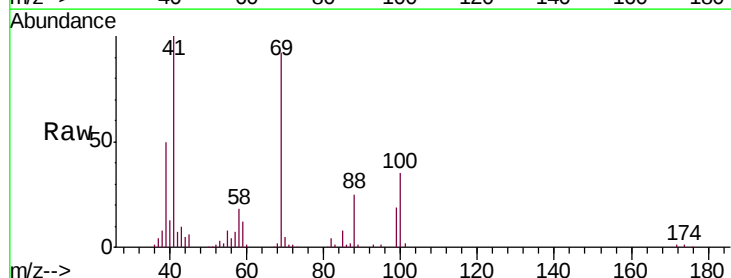
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBSD01

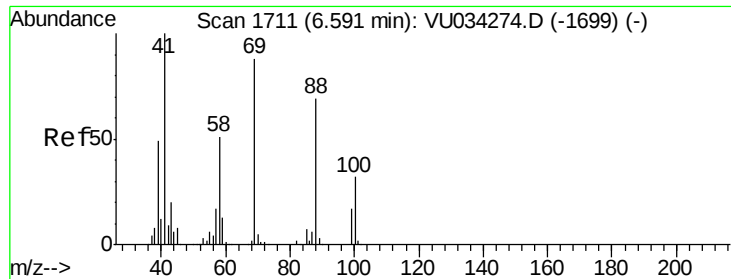
Tgt Ion: 83 Resp: 108171
 Ion Ratio Lower Upper
 83 100
 85 65.4 51.1 76.7
 127 9.0 7.2 10.8



#48
 Methyl methacrylate
 Concen: 20.617 ug/l
 RT: 6.60 min Scan# 1715
 Delta R.T. -0.00 min
 Lab File: VU034485.D
 Acq: 11 Sep 2019 19:29

Tgt Ion: 41 Resp: 70430
 Ion Ratio Lower Upper
 41 100
 69 92.4 72.8 109.2
 39 51.2 38.6 58.0

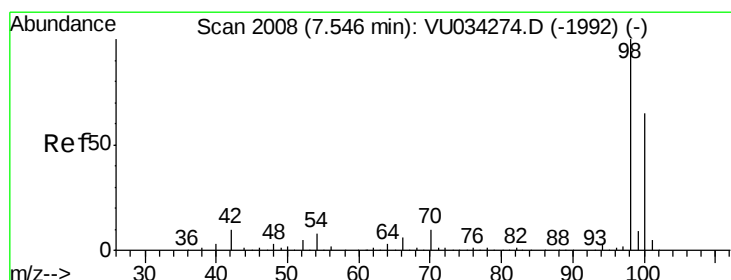
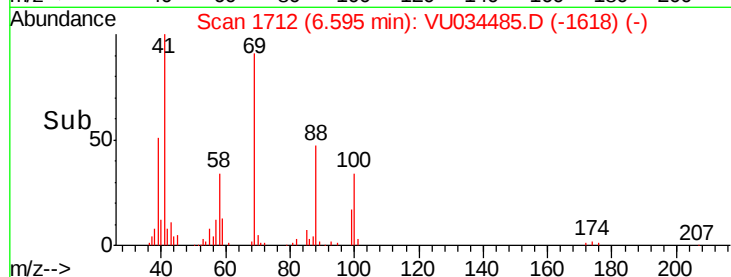
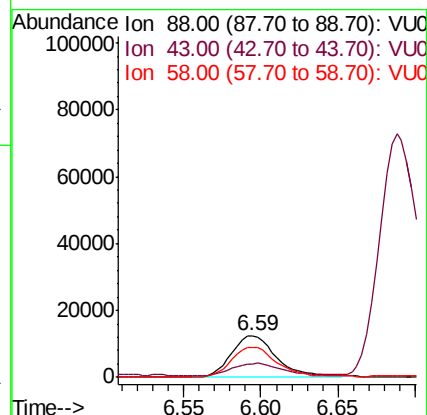
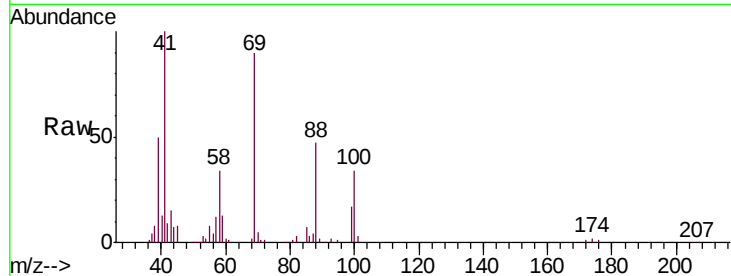




#49
1,4-Dioxane
Concen: 335.437 ug/l
RT: 6.59 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VU034485.D
Acq: 11 Sep 2019 19:29

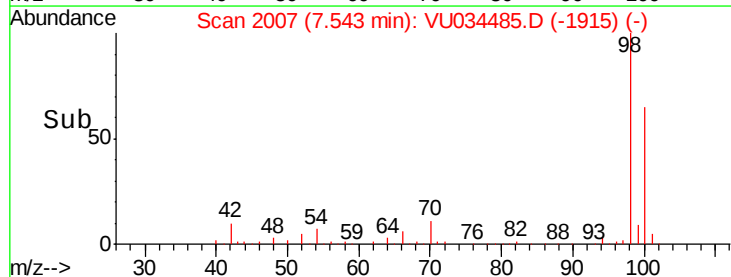
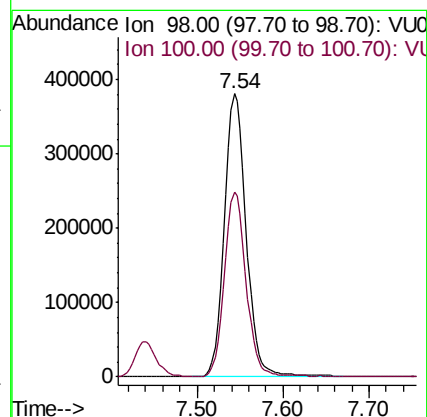
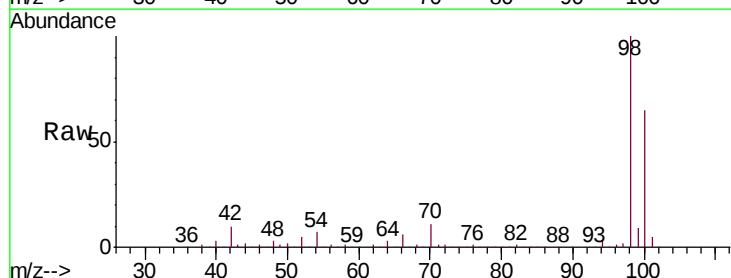
Instrument :
MSVOA_U
ClientSampleId :
VU0912WBSD01

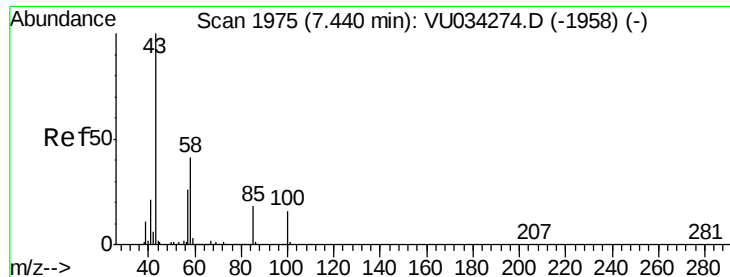
Tgt Ion: 88 Resp: 25022
Ion Ratio Lower Upper
88 100
43 30.0 23.8 35.6
58 75.8 58.4 87.6



#50
Toluene-d8
Concen: 53.704 ug/l
RT: 7.54 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VU034485.D
Acq: 11 Sep 2019 19:29

Tgt Ion: 98 Resp: 675069
Ion Ratio Lower Upper
98 100
100 64.2 51.7 77.5

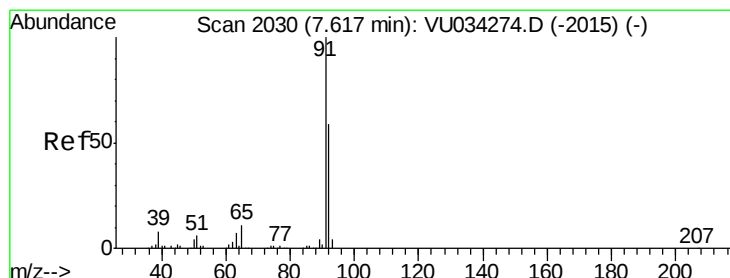
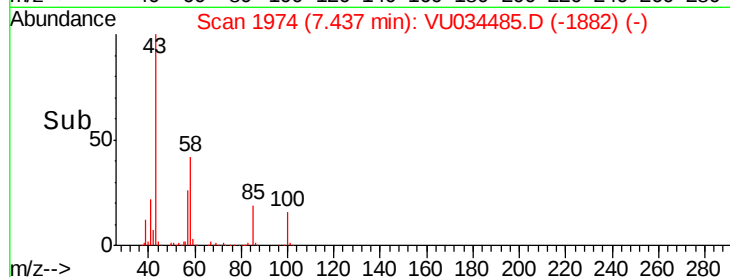
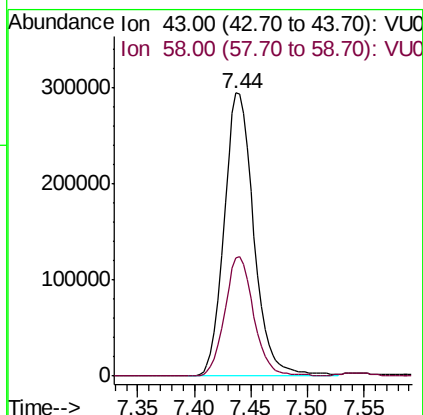
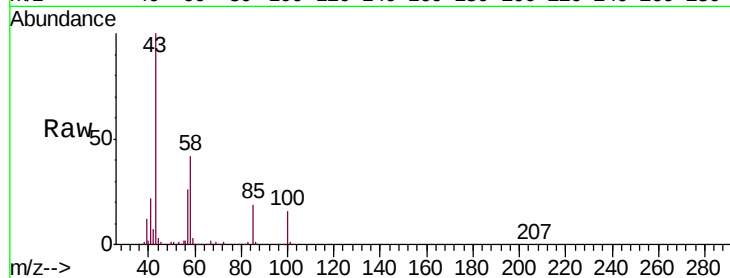




#51
 4-Methyl-2-Pentanone
 Concen: 107.532 ug/l
 RT: 7.44 min Scan# 1974
 Delta R.T. -0.00 min
 Lab File: VU034485.D
 Acq: 11 Sep 2019 19:29

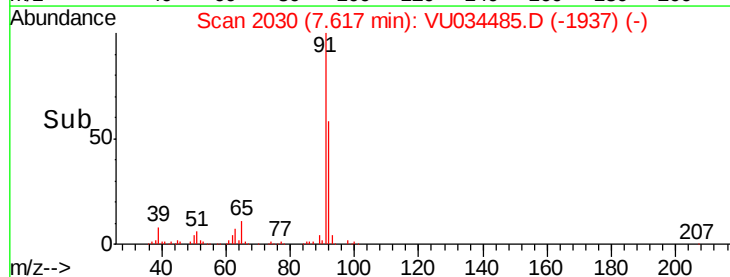
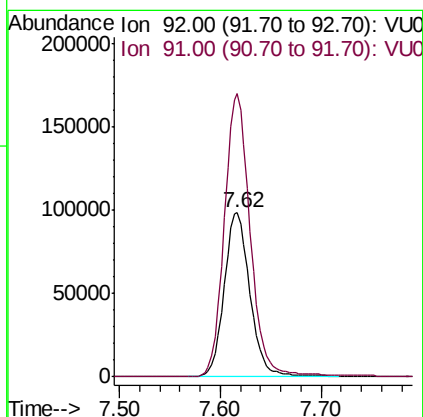
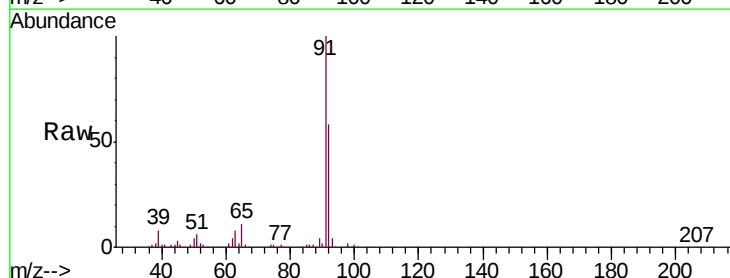
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBSD01

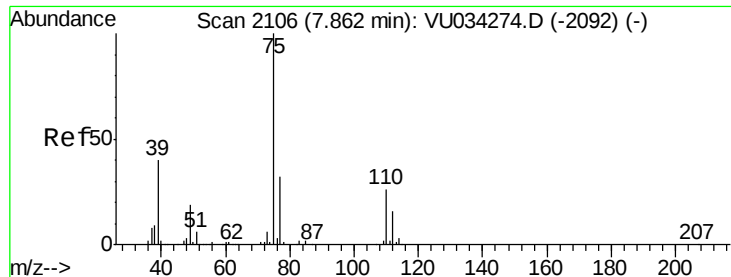
Tgt Ion: 43 Resp: 535354
 Ion Ratio Lower Upper
 43 100
 58 41.4 33.0 49.4



#52
 Toluene
 Concen: 22.452 ug/l
 RT: 7.62 min Scan# 2030
 Delta R.T. -0.00 min
 Lab File: VU034485.D
 Acq: 11 Sep 2019 19:29

Tgt Ion: 92 Resp: 177219
 Ion Ratio Lower Upper
 92 100
 91 174.4 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 21.633 ug/l

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VU034485.D

Acq: 11 Sep 2019 19:29

Instrument :

MSVOA_U

ClientSampleId :

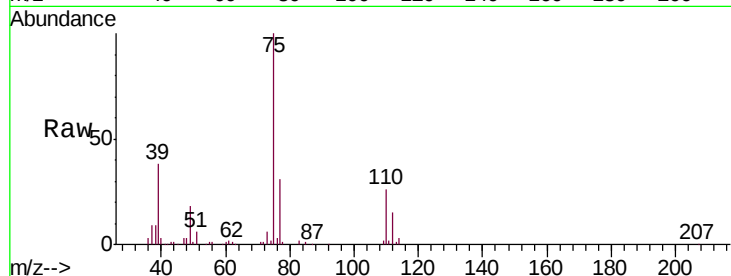
VU0912WBSD01

Tgt Ion: 75 Resp: 106588

Ion Ratio Lower Upper

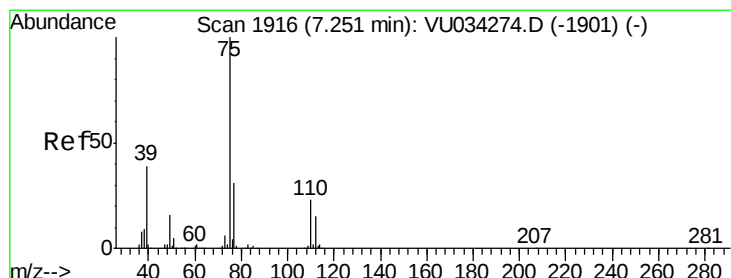
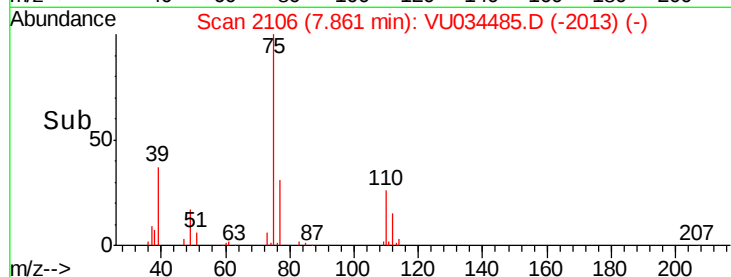
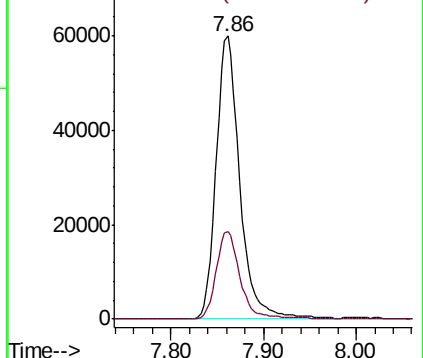
75 100

77 31.0 25.7 38.5



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 22.115 ug/l

RT: 7.25 min Scan# 1916

Delta R.T. -0.00 min

Lab File: VU034485.D

Acq: 11 Sep 2019 19:29

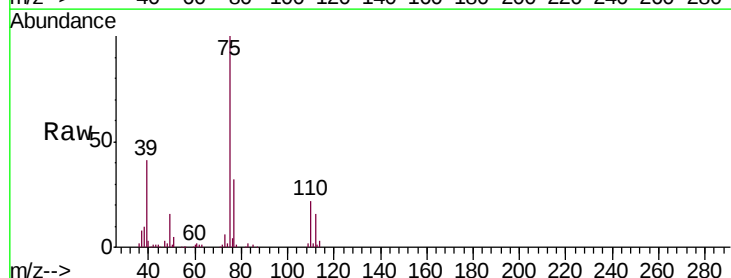
Tgt Ion: 75 Resp: 119586

Ion Ratio Lower Upper

75 100

77 31.9 25.1 37.7

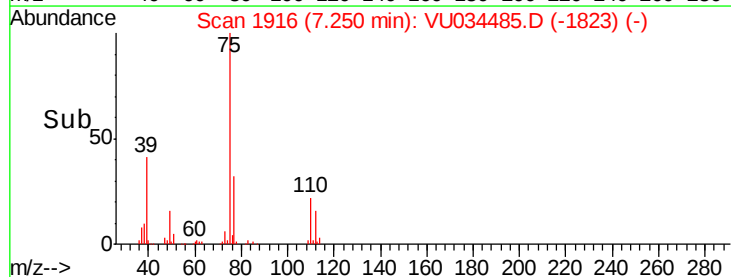
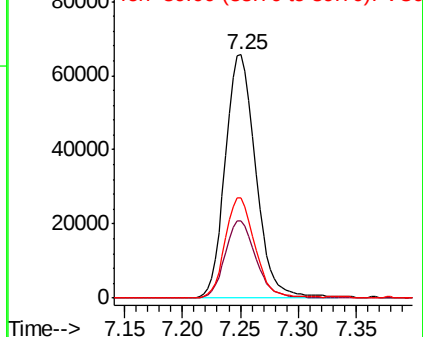
39 41.1 31.2 46.8

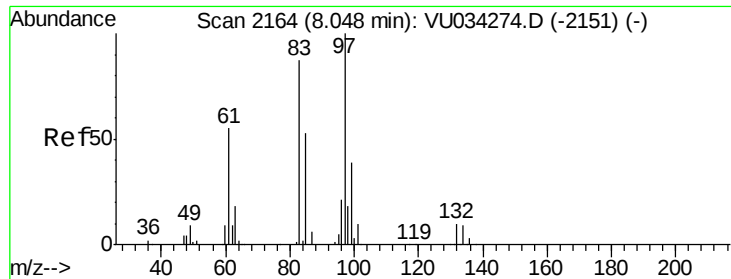


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

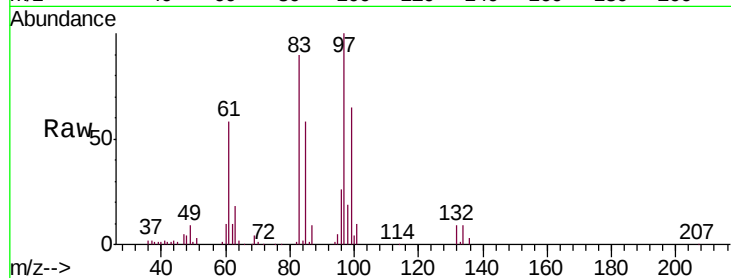




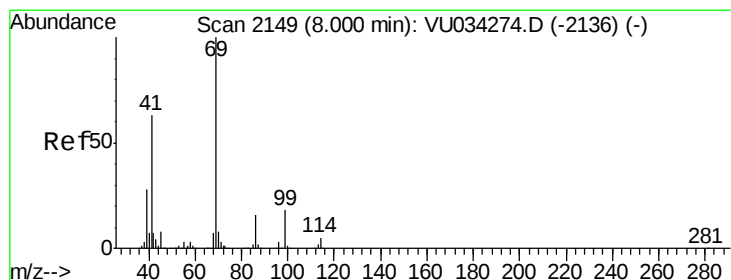
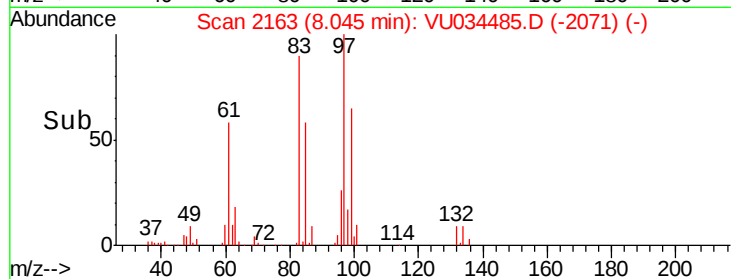
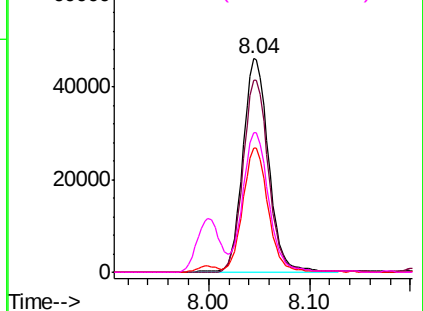
#55
 1,1,2-Trichloroethane
 Concen: 22.663 ug/l
 RT: 8.04 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: VU034485.D
 Acq: 11 Sep 2019 19:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBSD01

Tgt Ion:	97	Resp:	81227
Ion	Ratio	Lower	Upper
97	100		
83	90.2	69.0	103.6
85	58.0	44.2	66.2
99	64.8	49.4	74.0

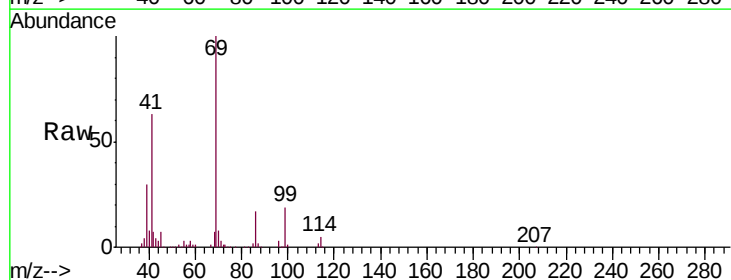


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

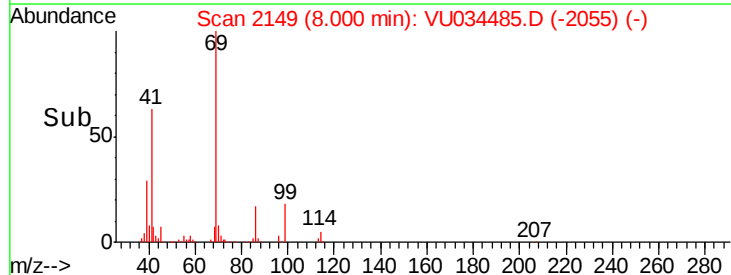
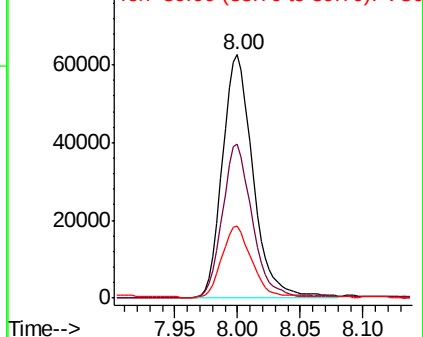


#56
 Ethyl methacrylate
 Concen: 21.421 ug/l
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VU034485.D
 Acq: 11 Sep 2019 19:29

Tgt Ion:	69	Resp:	106444
Ion	Ratio	Lower	Upper
69	100		
41	62.0	49.5	74.3
39	28.5	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: 22.183 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU034485.D

Acq: 11 Sep 2019 19:29

Instrument :

MSVOA_U

ClientSampleId :

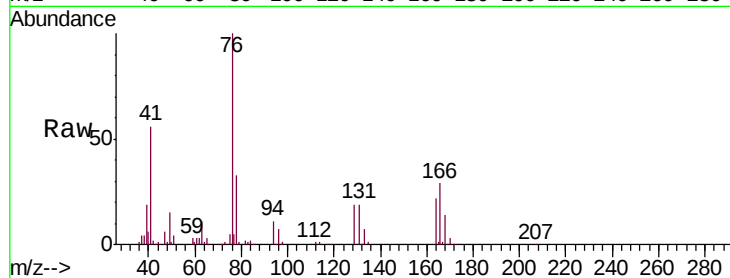
VU0912WBSD01

Tgt Ion: 76 Resp: 129464

Ion Ratio Lower Upper

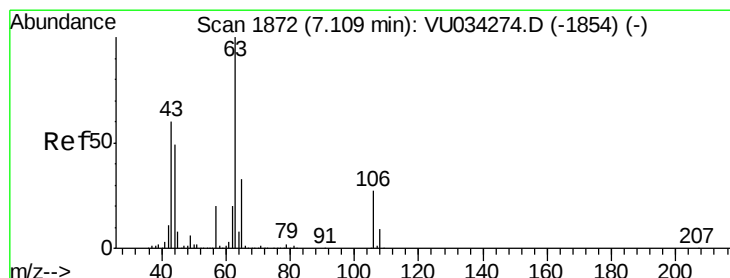
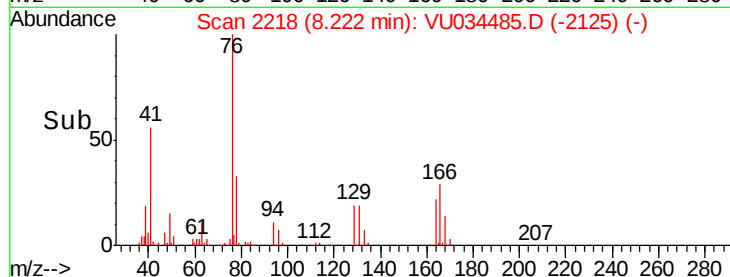
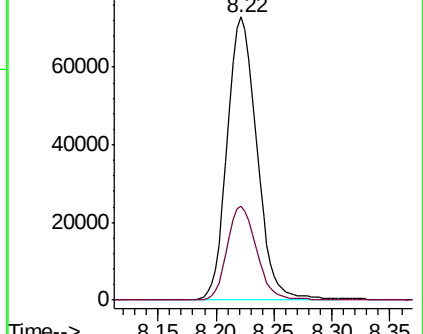
76 100

78 32.7 25.4 38.2



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 90.353 ug/l

RT: 7.11 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VU034485.D

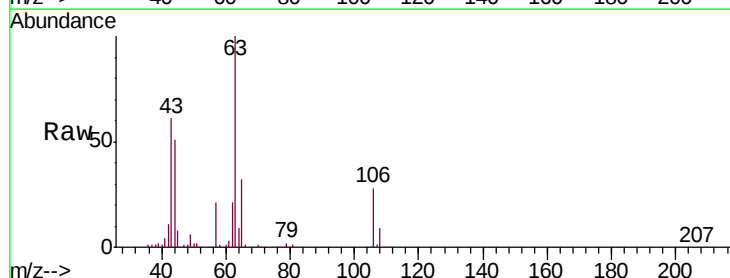
Acq: 11 Sep 2019 19:29

Tgt Ion: 63 Resp: 145517

Ion Ratio Lower Upper

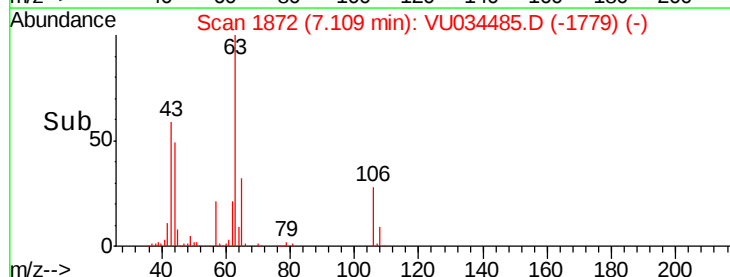
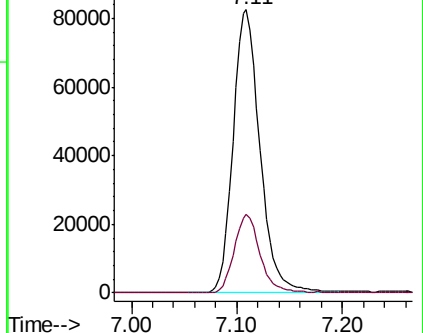
63 100

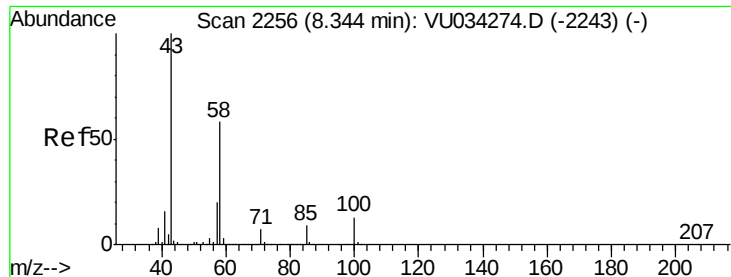
106 26.6 21.6 32.4



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

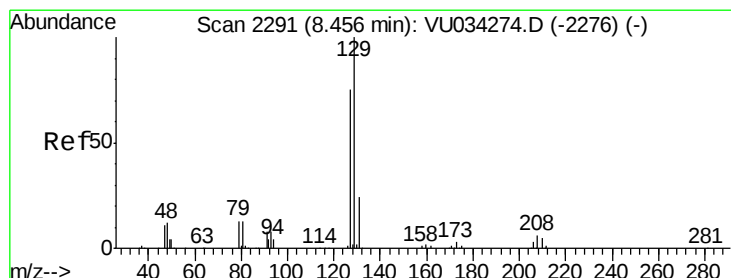
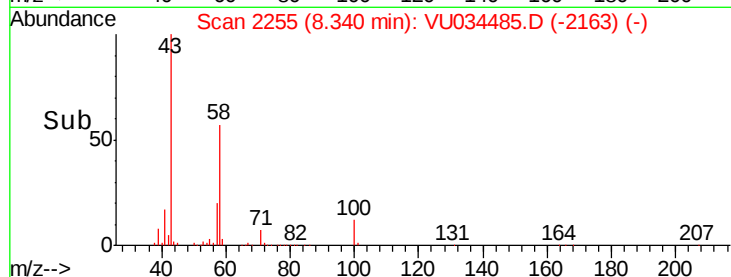
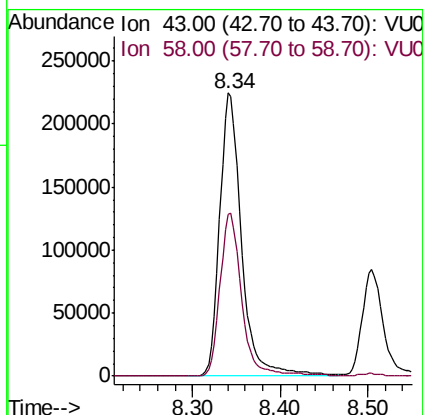
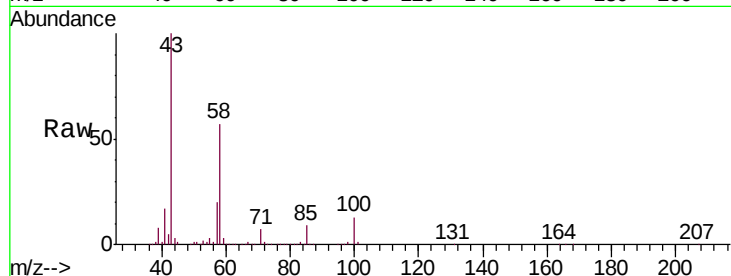




#59
2-Hexanone
Concen: 104.330 ug/l
RT: 8.34 min Scan# 2255
Delta R.T. -0.00 min
Lab File: VU034485.D
Acq: 11 Sep 2019 19:29

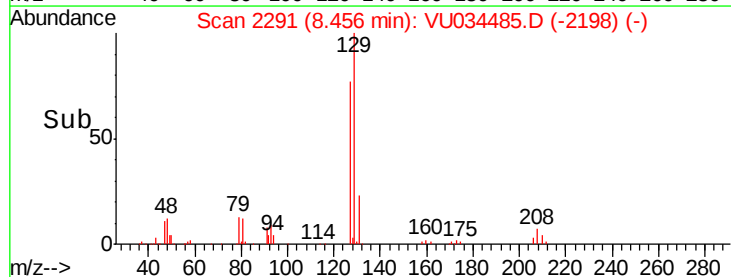
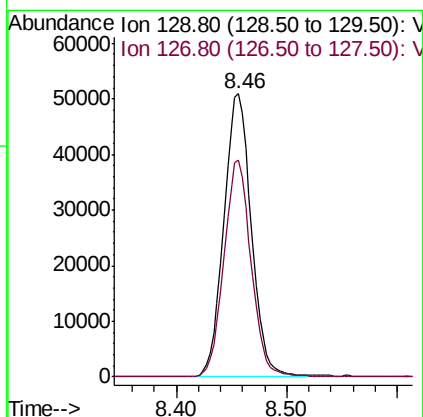
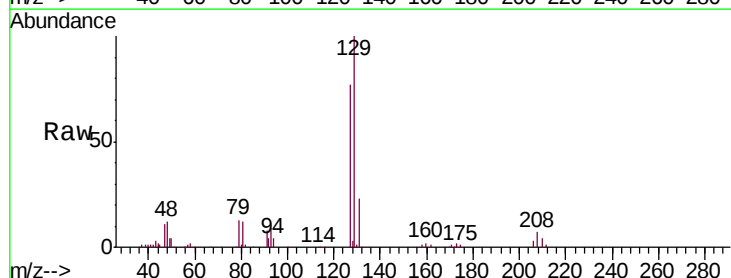
Instrument :
MSVOA_U
ClientSampleId :
VU0912WBSD01

Tgt Ion: 43 Resp: 388029
Ion Ratio Lower Upper
43 100
58 57.8 28.8 86.5



#60
Dibromochloromethane
Concen: 22.965 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU034485.D
Acq: 11 Sep 2019 19:29

Tgt Ion: 129 Resp: 88285
Ion Ratio Lower Upper
129 100
127 75.4 37.9 113.7





#61

1,2-Dibromoethane

Concen: 22.146 ug/l

RT: 8.57 min Scan# 2325

Delta R.T. -0.00 min

Lab File: VU034485.D

Acq: 11 Sep 2019 19:29

Instrument :

MSVOA_U

ClientSampleId :

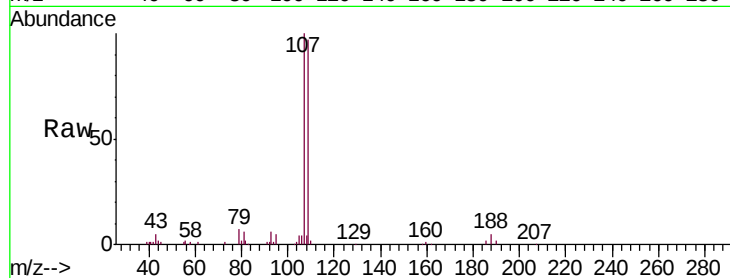
VU0912WBSD01

Tgt Ion: 107 Resp: 77690

Ion Ratio Lower Upper

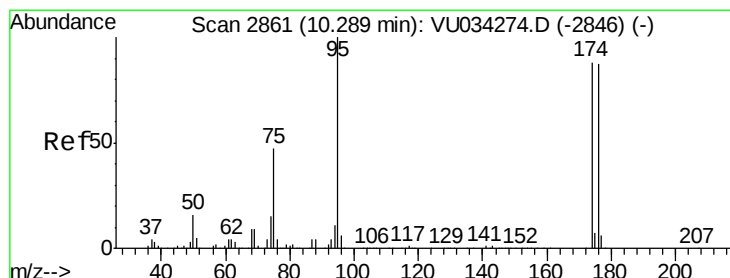
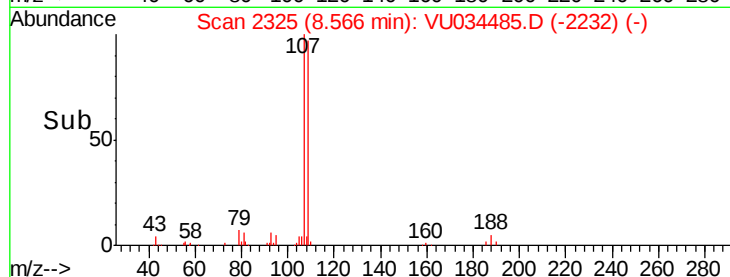
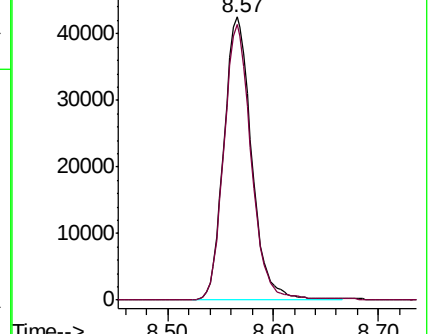
107 100

109 95.5 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.409 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VU034485.D

Acq: 11 Sep 2019 19:29

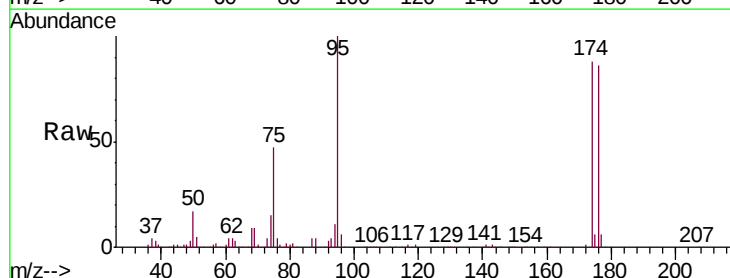
Tgt Ion: 95 Resp: 249503

Ion Ratio Lower Upper

95 100

174 88.4 0.0 175.2

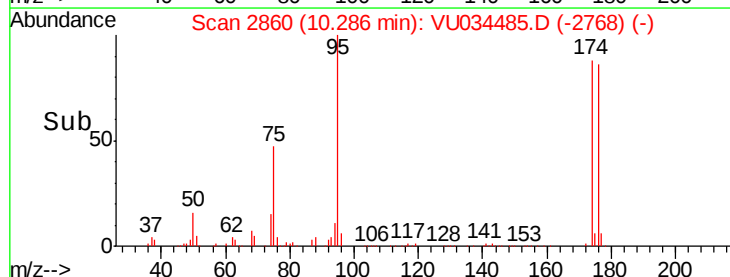
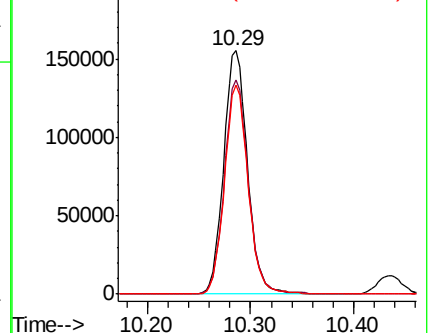
176 85.3 0.0 168.0

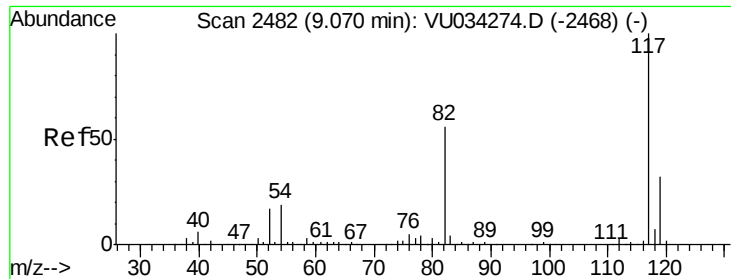


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

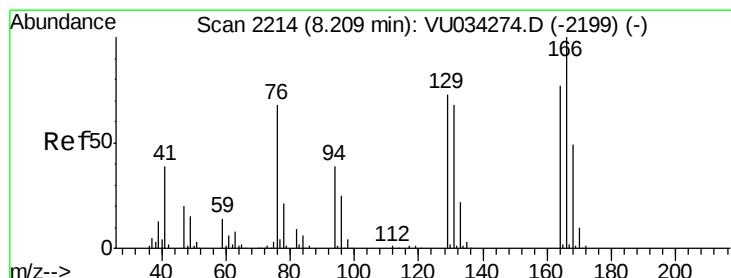
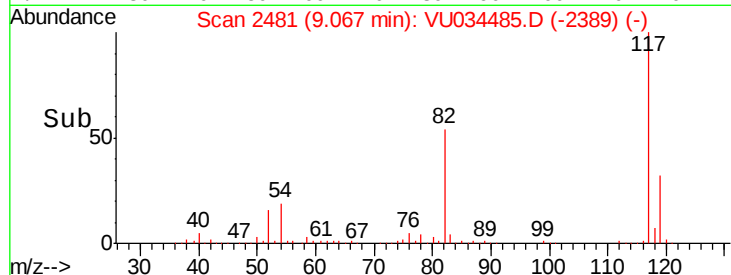
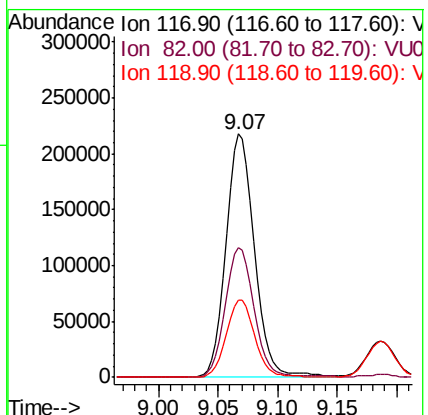
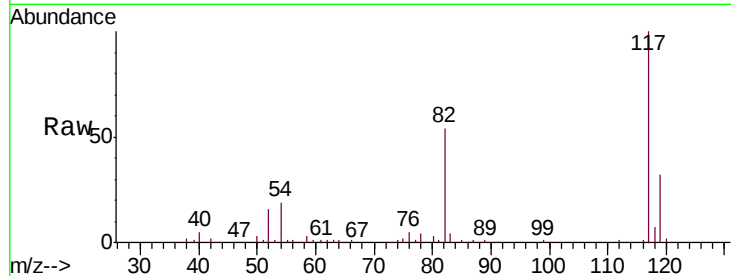




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2481
Delta R.T. -0.00 min
Lab File: VU034485.D
Acq: 11 Sep 2019 19:29

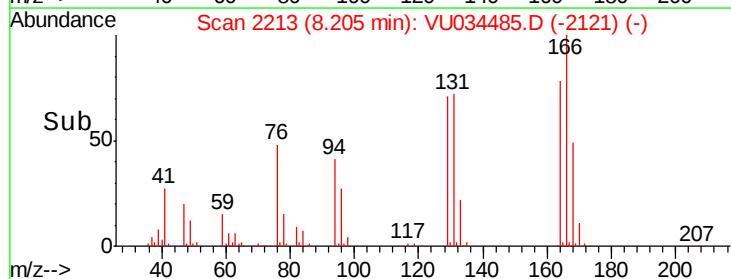
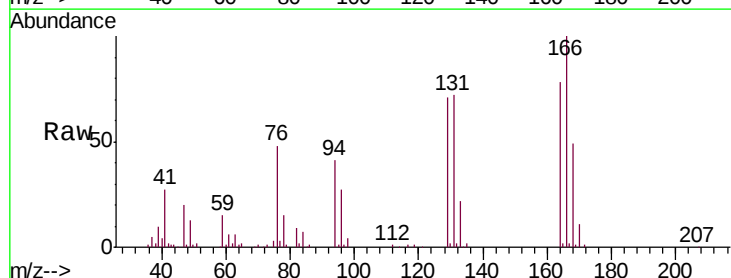
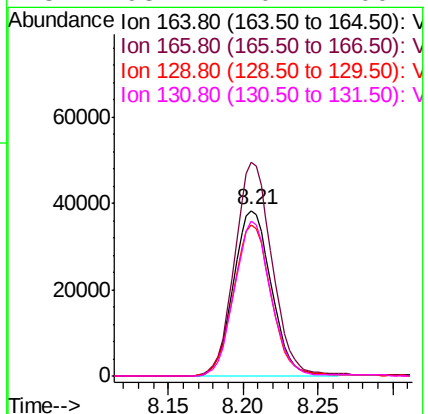
Instrument :
MSVOA_U
ClientSampleId :
VU0912WBSD01

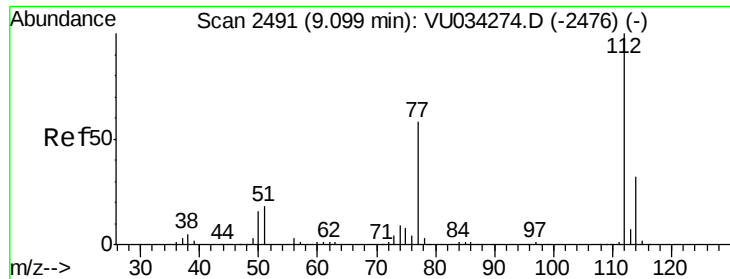
Tgt Ion:117 Resp: 362318
Ion Ratio Lower Upper
117 100
82 53.5 44.6 67.0
119 32.0 25.9 38.9



#64
Tetrachloroethene
Concen: 21.552 ug/l
RT: 8.21 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VU034485.D
Acq: 11 Sep 2019 19:29

Tgt Ion:164 Resp: 67744
Ion Ratio Lower Upper
164 100
166 128.9 103.7 155.5
129 91.3 75.8 113.8
131 93.2 70.7 106.1





#65

Chlorobenzene

Concen: 22.354 ug/l

RT: 9.10 min Scan# 2490

Delta R.T. -0.00 min

Lab File: VU034485.D

Acq: 11 Sep 2019 19:29

Instrument :

MSVOA_U

ClientSampleId :

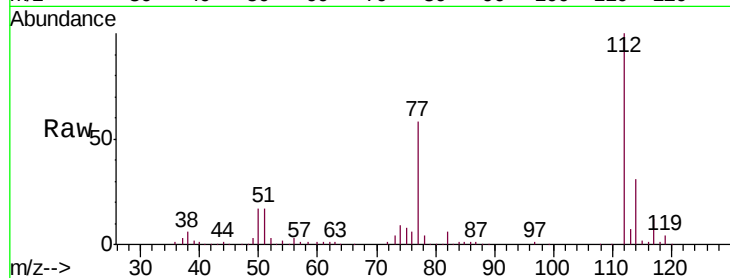
VU0912WBSD01

Tgt Ion:112 Resp: 205484

Ion Ratio Lower Upper

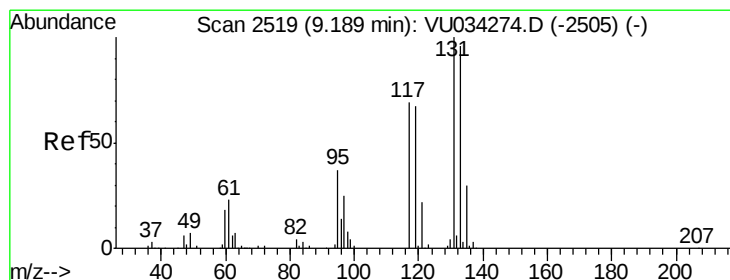
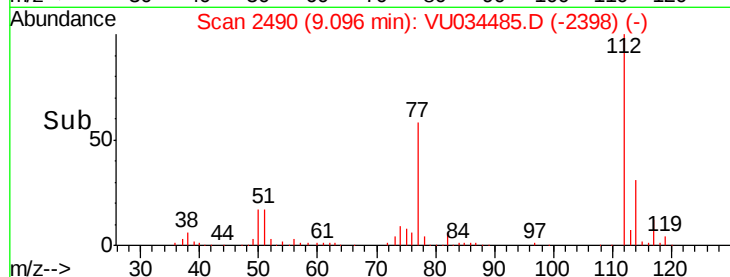
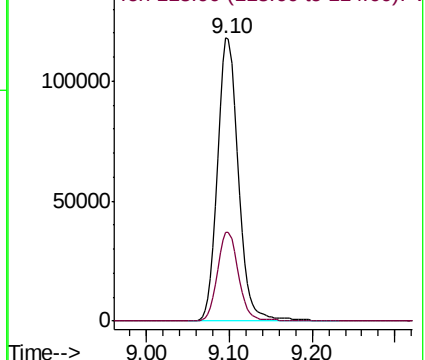
112 100

114 31.3 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 22.352 ug/l

RT: 9.19 min Scan# 2518

Delta R.T. -0.00 min

Lab File: VU034485.D

Acq: 11 Sep 2019 19:29

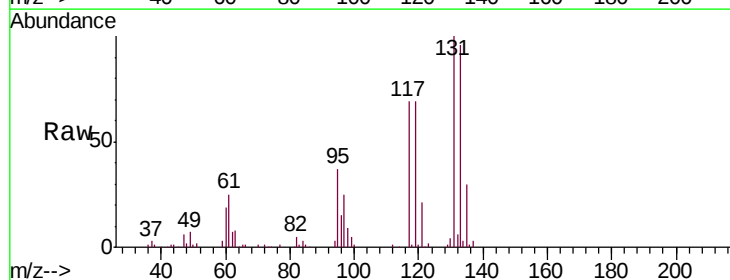
Tgt Ion:131 Resp: 78413

Ion Ratio Lower Upper

131 100

133 97.3 47.9 143.7

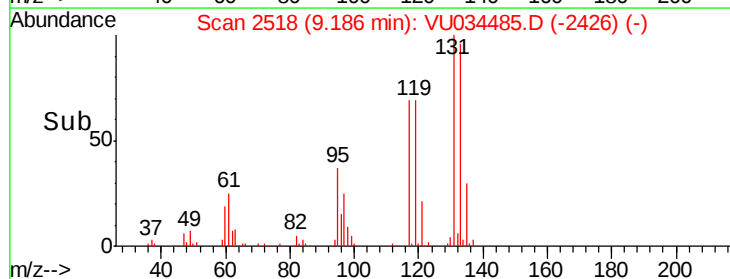
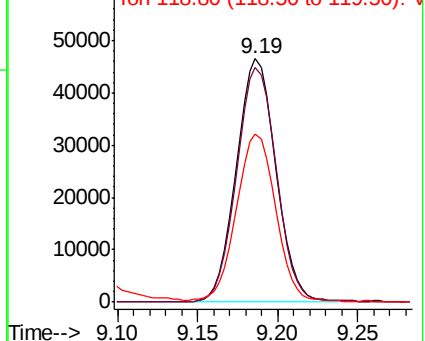
119 68.1 33.1 99.5

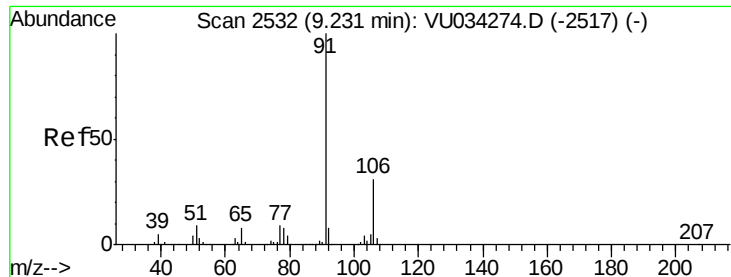


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 21.518 ug/l

RT: 9.23 min Scan# 2531

Delta R.T. -0.00 min

Lab File: VU034485.D

Acq: 11 Sep 2019 19:29

Instrument :

MSVOA_U

ClientSampleId :

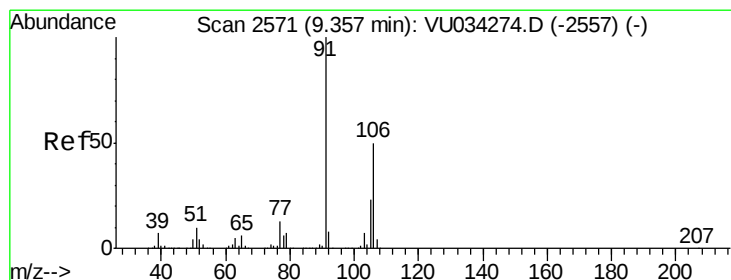
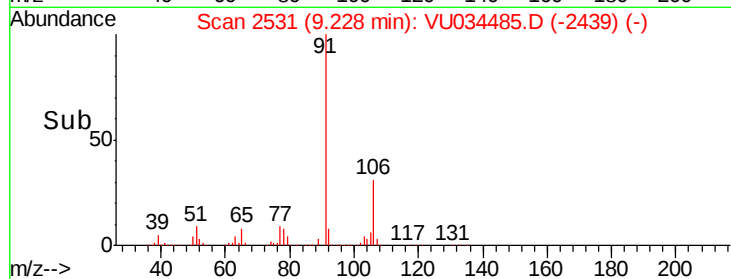
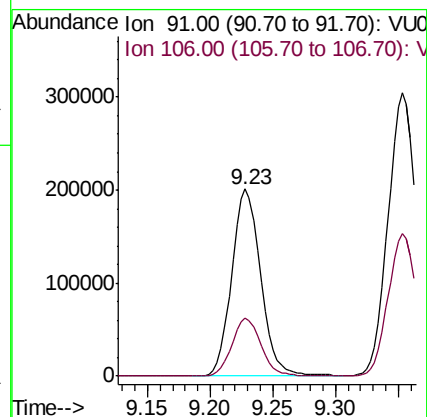
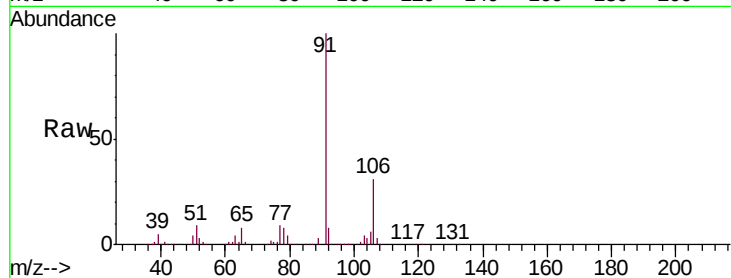
VU0912WBSD01

Tgt Ion: 91 Resp: 323414

Ion Ratio Lower Upper

91 100

106 31.2 24.8 37.2



#68

m/p-Xylenes

Concen: 44.923 ug/l

RT: 9.35 min Scan# 2570

Delta R.T. -0.00 min

Lab File: VU034485.D

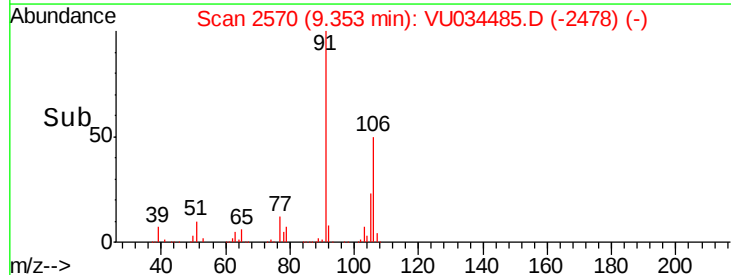
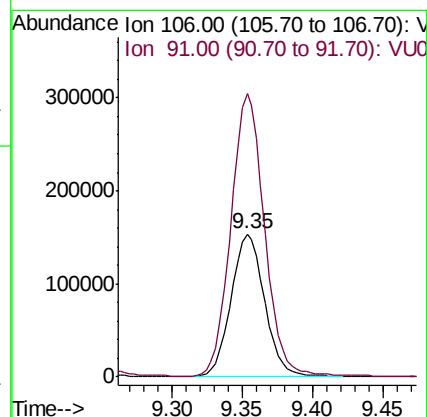
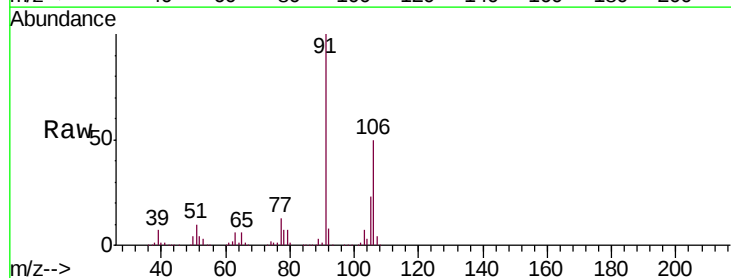
Acq: 11 Sep 2019 19:29

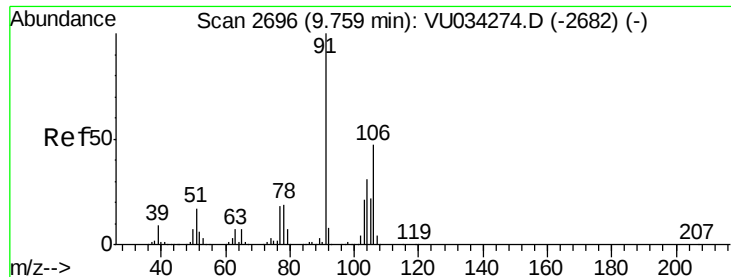
Tgt Ion: 106 Resp: 254249

Ion Ratio Lower Upper

106 100

91 200.4 160.1 240.1

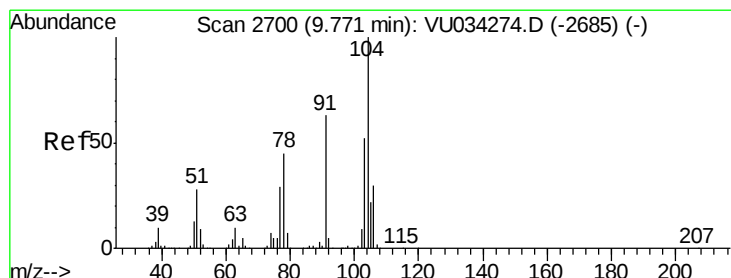
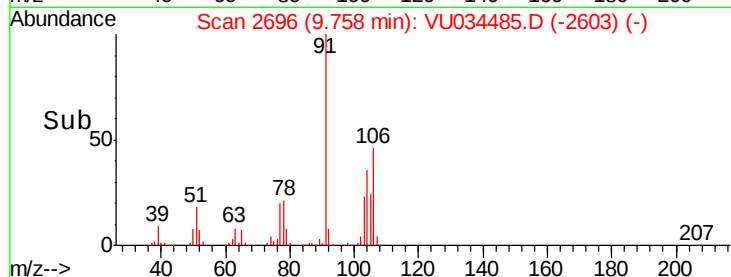
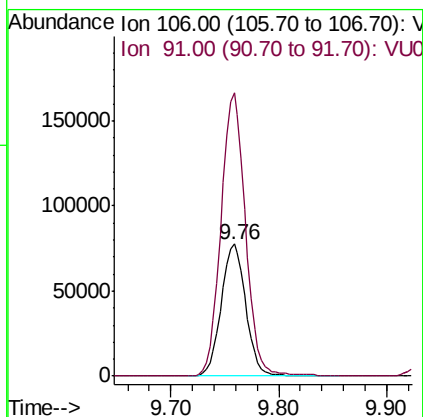
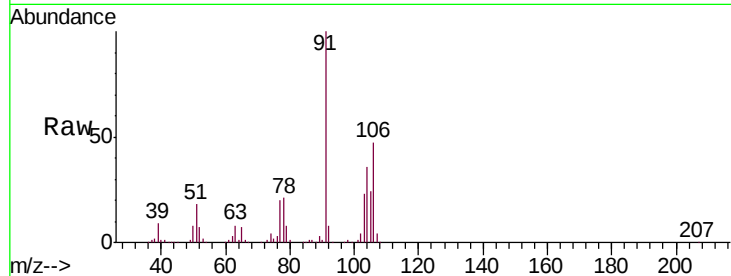




#69
o-Xylene
Concen: 22.269 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. -0.00 min
Lab File: VU034485.D
Acq: 11 Sep 2019 19:29

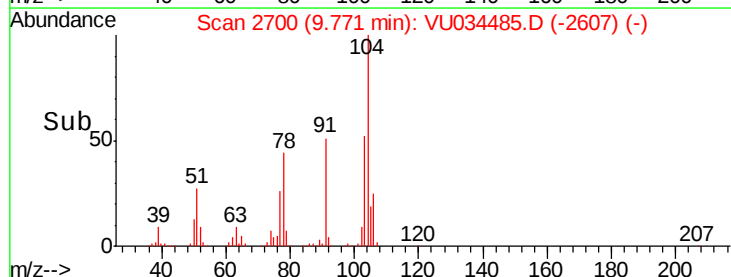
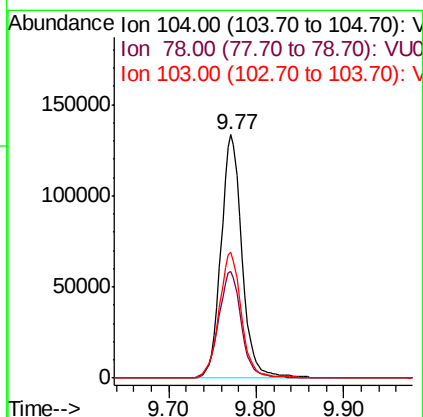
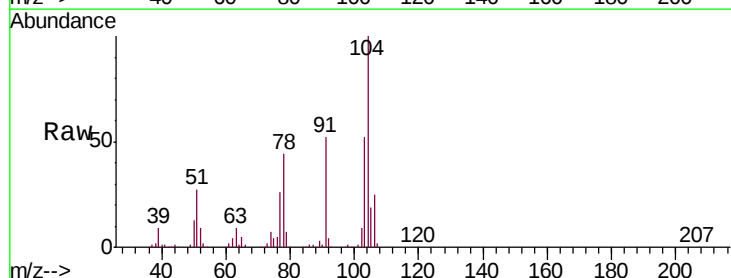
Instrument :
MSVOA_U
ClientSampleId :
VU0912WBSD01

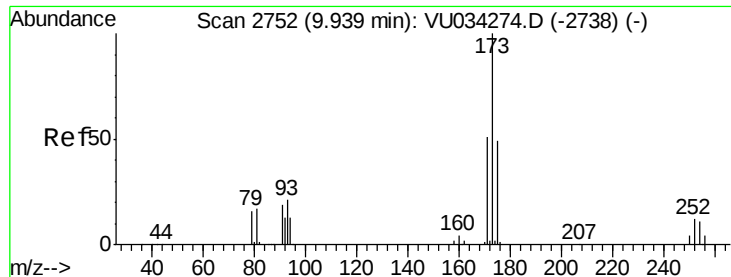
Tgt Ion:106 Resp: 123256
Ion Ratio Lower Upper
106 100
91 213.2 105.1 315.3



#70
Styrene
Concen: 22.953 ug/l
RT: 9.77 min Scan# 2700
Delta R.T. -0.00 min
Lab File: VU034485.D
Acq: 11 Sep 2019 19:29

Tgt Ion:104 Resp: 222738
Ion Ratio Lower Upper
104 100
78 47.9 38.6 57.8
103 55.0 44.2 66.4





#71

Bromoform

Concen: 22.372 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VU034485.D

Acq: 11 Sep 2019 19:29

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBSD01

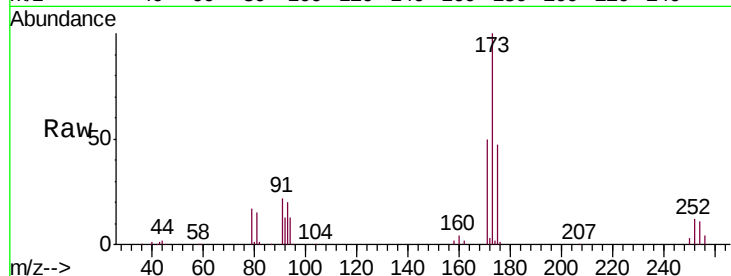
Tgt Ion:173 Resp: 68019

Ion Ratio Lower Upper

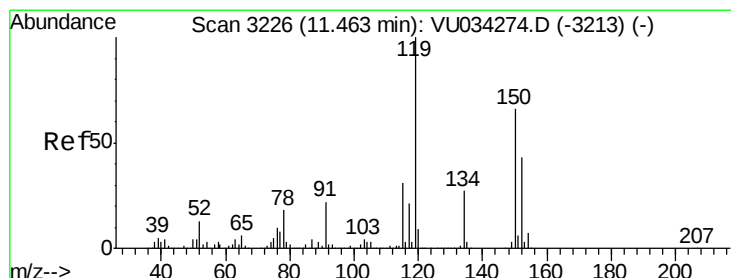
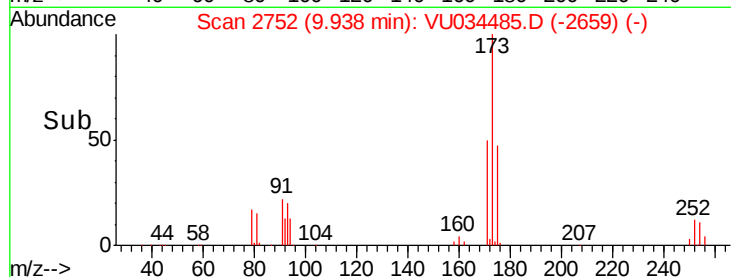
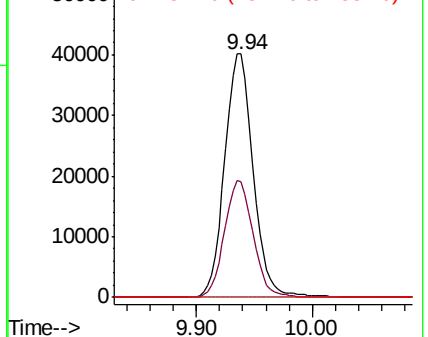
173 100

175 48.1 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: VU034485.D

Acq: 11 Sep 2019 19:29

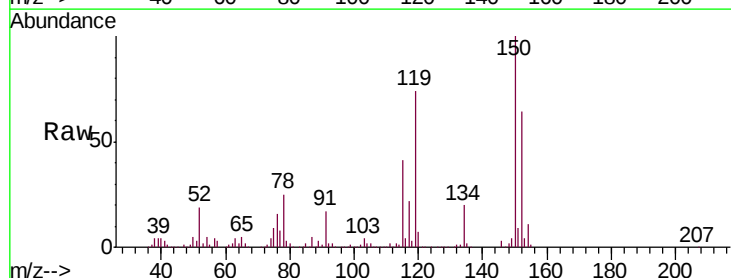
Tgt Ion:152 Resp: 241628

Ion Ratio Lower Upper

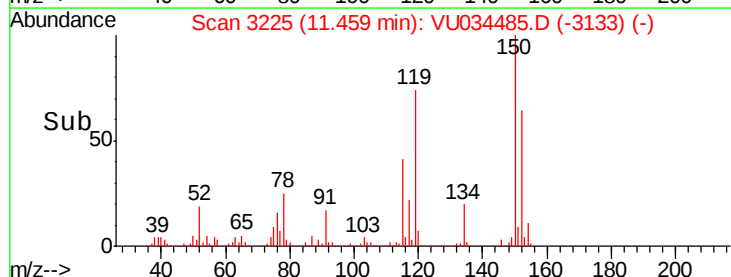
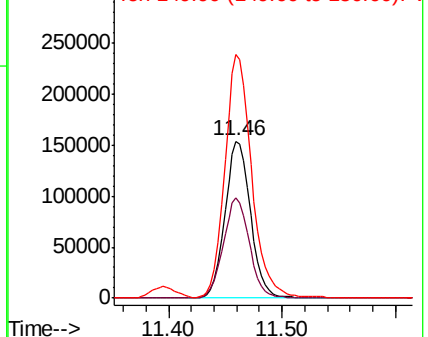
152 100

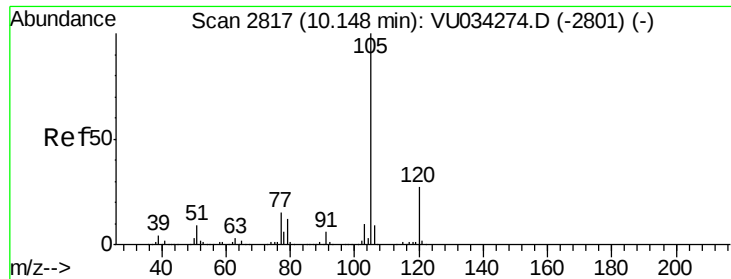
115 65.4 39.1 117.3

150 162.0 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: 21.923 ug/l

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034485.D

Acq: 11 Sep 2019 19:29

Instrument :

MSVOA_U

ClientSampleId :

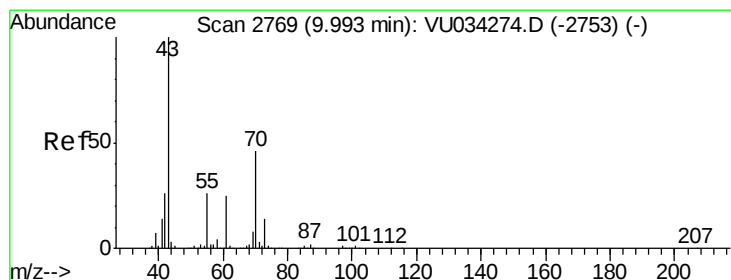
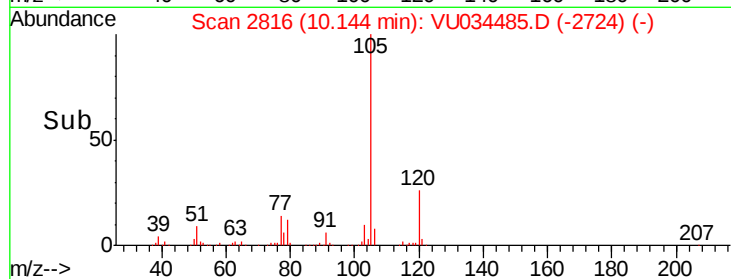
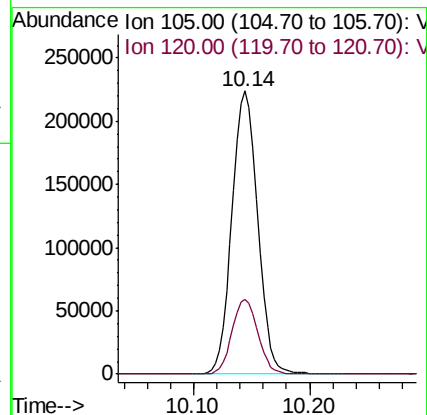
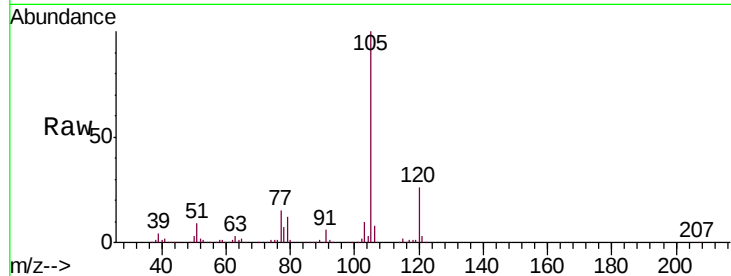
VU0912WBSD01

Tgt Ion: 105 Resp: 344725

Ion Ratio Lower Upper

105 100

120 26.7 13.4 40.2



#74

N-ethyl acetate

Concen: 20.791 ug/l

RT: 9.99 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VU034485.D

Acq: 11 Sep 2019 19:29

Tgt Ion: 43 Resp: 131596

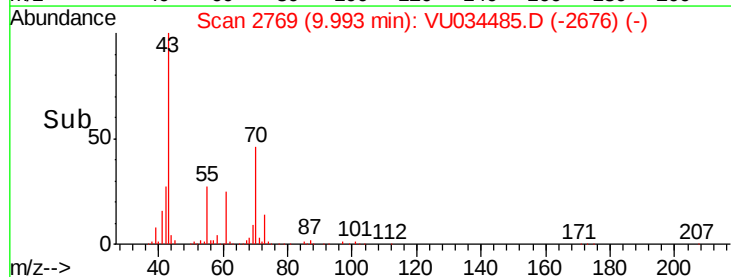
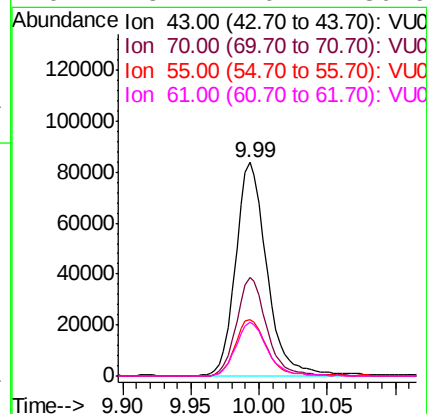
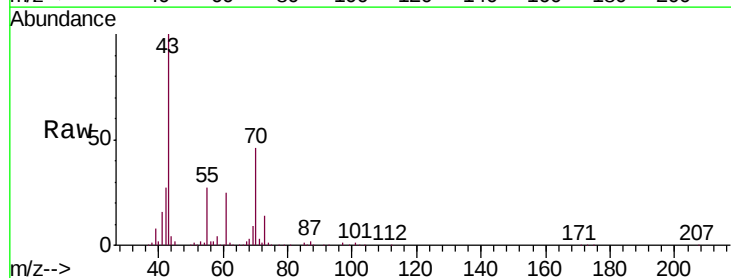
Ion Ratio Lower Upper

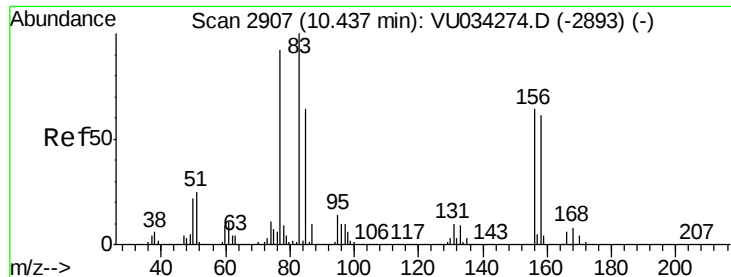
43 100

70 44.9 36.4 54.6

55 27.3 21.2 31.8

61 25.4 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.380 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034485.D

Acq: 11 Sep 2019 19:29

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBSD01

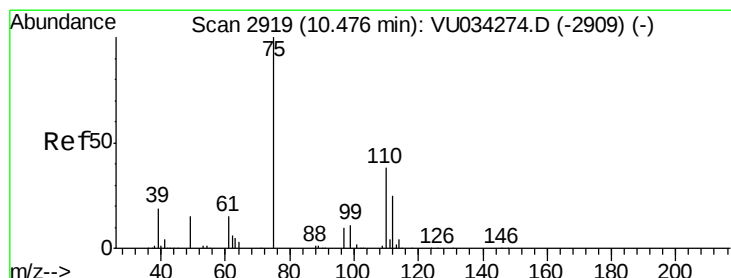
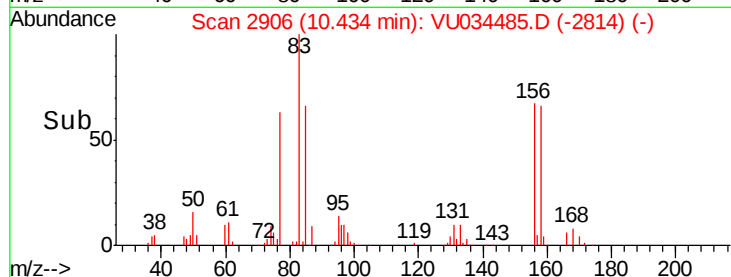
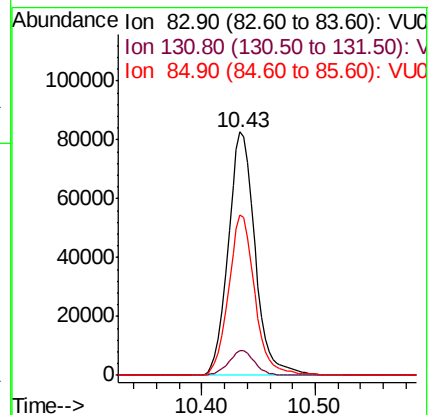
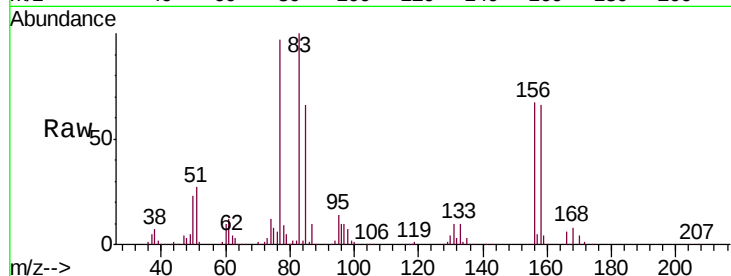
Tgt Ion: 83 Resp: 136085

Ion Ratio Lower Upper

83 100

131 9.9 5.1 15.2

85 64.6 32.0 96.2



#76

1,2,3-Trichloropropane

Concen: 27.088 ug/l

RT: 10.47 min Scan# 2918

Delta R.T. -0.00 min

Lab File: VU034485.D

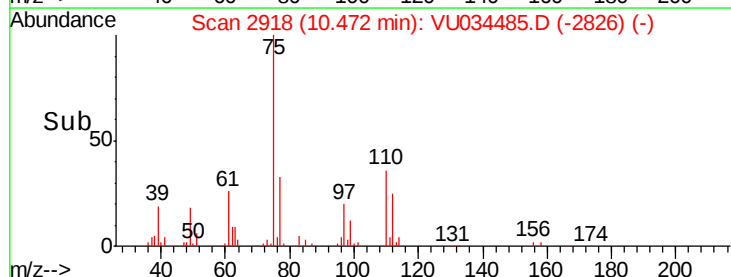
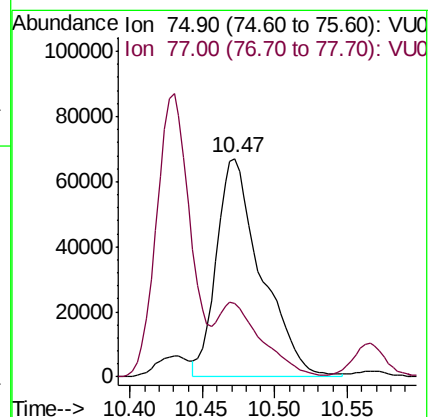
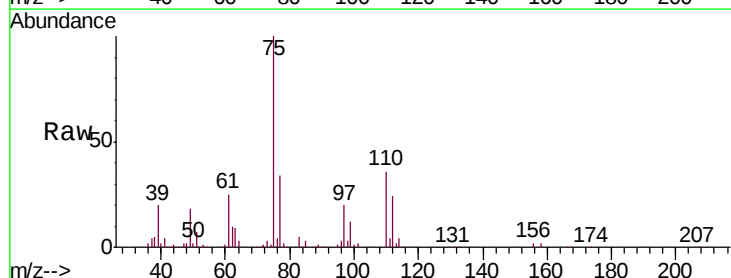
Acq: 11 Sep 2019 19:29

Tgt Ion: 75 Resp: 142873

Ion Ratio Lower Upper

75 100

77 33.5 20.8 62.2





#77

Bromobenzene

Concen: 21.915 ug/l

RT: 10.43 min Scan# 2905

Delta R.T. -0.00 min

Lab File: VU034485.D

Acq: 11 Sep 2019 19:29

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBSD01

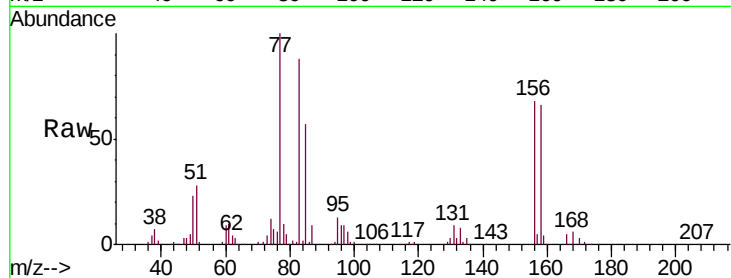
Tgt Ion:156 Resp: 96357

Ion Ratio Lower Upper

156 100

77 148.0 75.6 226.9

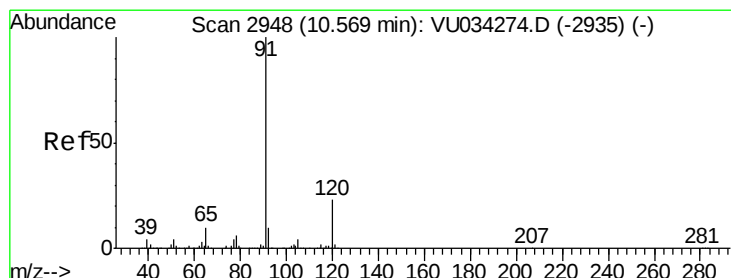
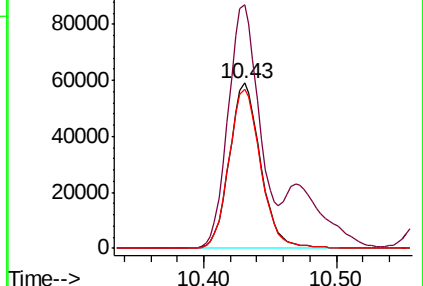
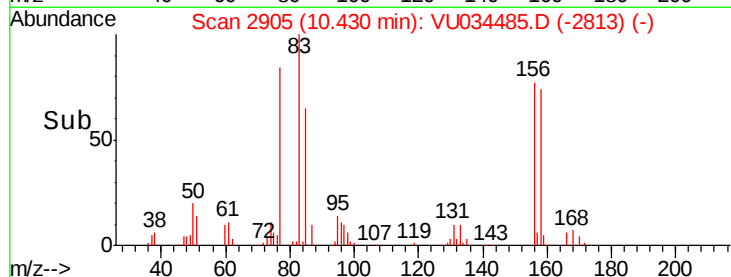
158 98.5 48.2 144.6



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: 21.809 ug/l

RT: 10.57 min Scan# 2947

Delta R.T. -0.00 min

Lab File: VU034485.D

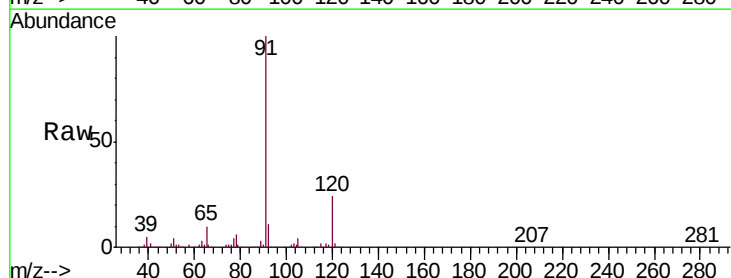
Acq: 11 Sep 2019 19:29

Tgt Ion: 91 Resp: 396068

Ion Ratio Lower Upper

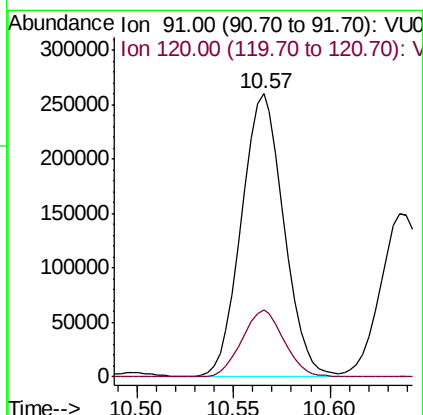
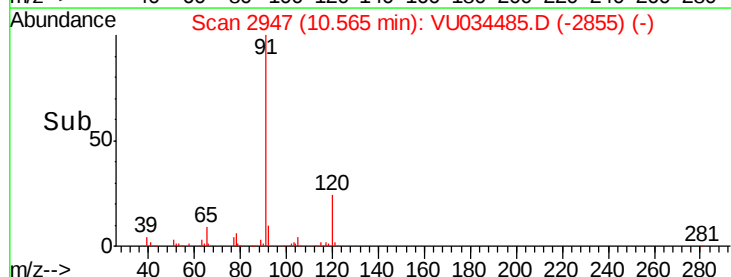
91 100

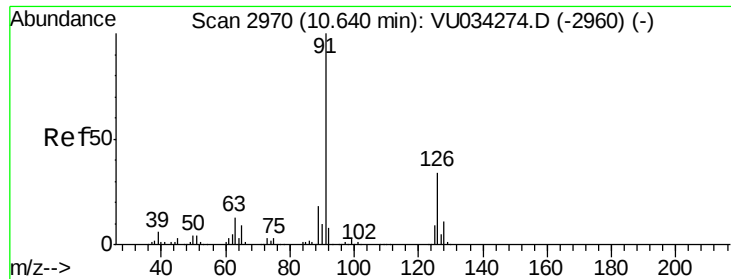
120 23.7 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.002 ug/l

RT: 10.64 min Scan# 2969

Delta R.T. -0.00 min

Lab File: VU034485.D

Acq: 11 Sep 2019 19:29

Instrument :

MSVOA_U

ClientSampleId :

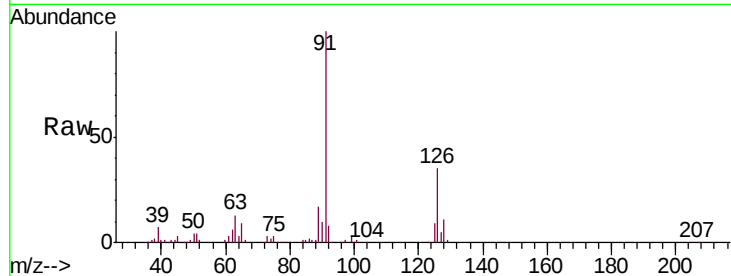
VU0912WBSD01

Tgt Ion: 91 Resp: 243800

Ion Ratio Lower Upper

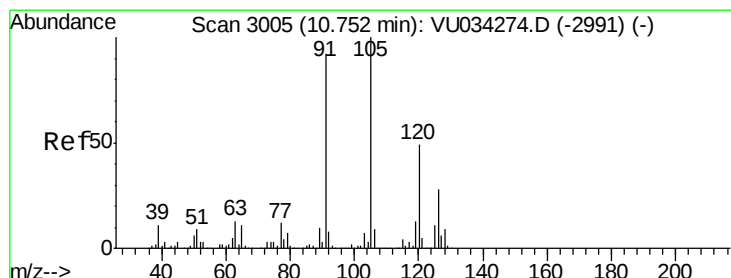
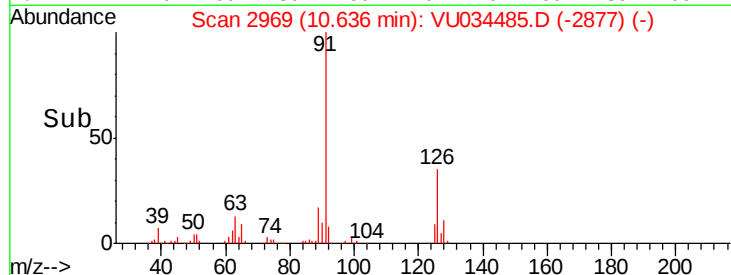
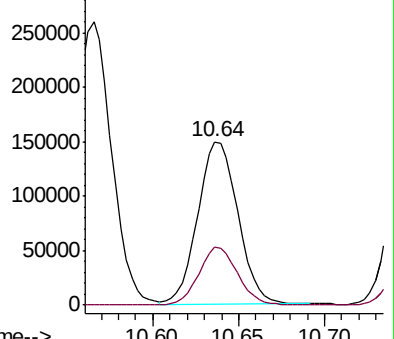
91 100

126 35.0 17.3 51.9



Abundance Ion 91.00 (90.70 to 91.70): VU034485.D (-2960) (-)

Ion 125.90 (125.60 to 126.60): VU034485.D (-2960) (-)



#80

1,3,5-Trimethylbenzene

Concen: 23.032 ug/l

RT: 10.75 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VU034485.D

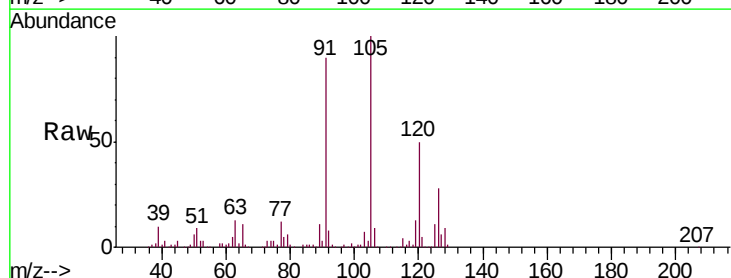
Acq: 11 Sep 2019 19:29

Tgt Ion: 105 Resp: 302892

Ion Ratio Lower Upper

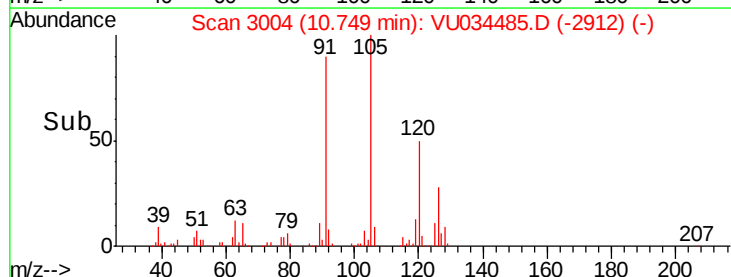
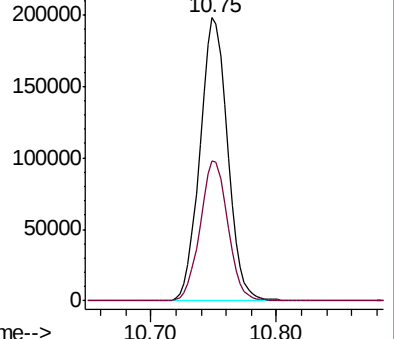
105 100

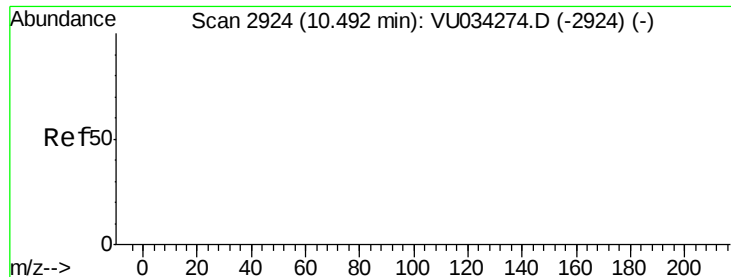
120 49.6 24.9 74.7



Abundance Ion 105.00 (104.70 to 105.70): VU034485.D (-2991) (-)

Ion 120.00 (119.70 to 120.70): VU034485.D (-2991) (-)

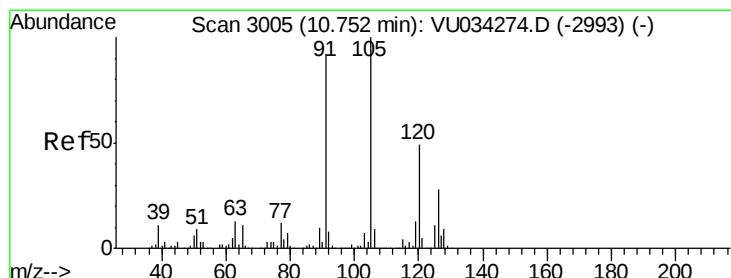
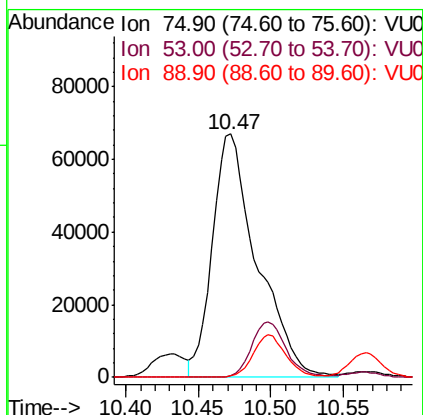
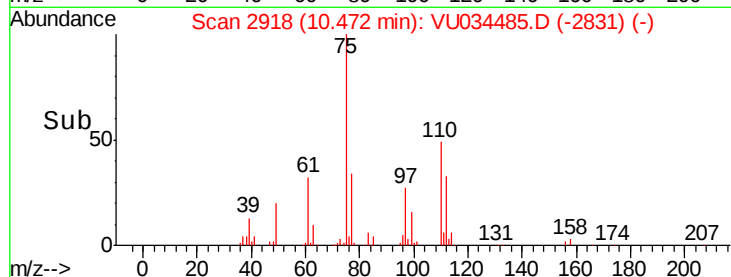
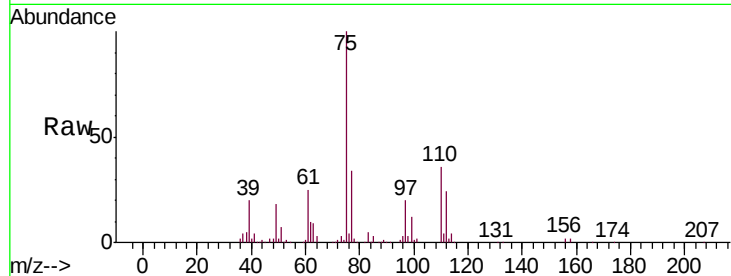




#81
trans-1,4-Dichloro-2-butene
Concen: 91.097 ug/l
RT: 10.47 min Scan# 2918
Delta R.T. -0.02 min
Lab File: VU034485.D
Acq: 11 Sep 2019 19:29

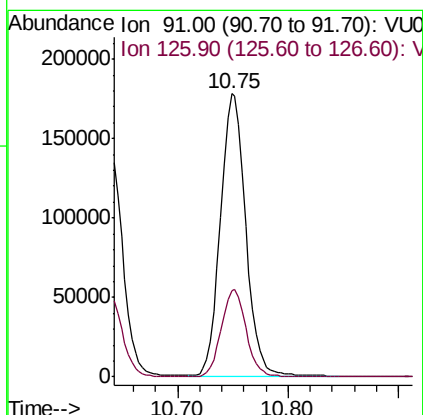
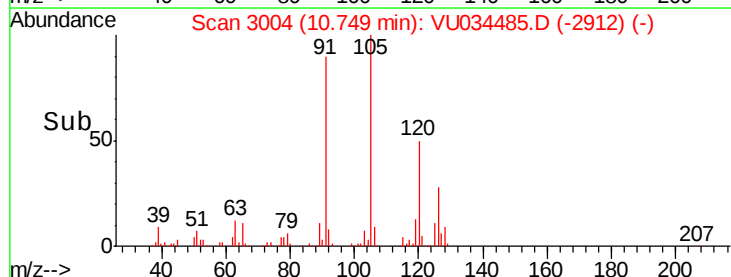
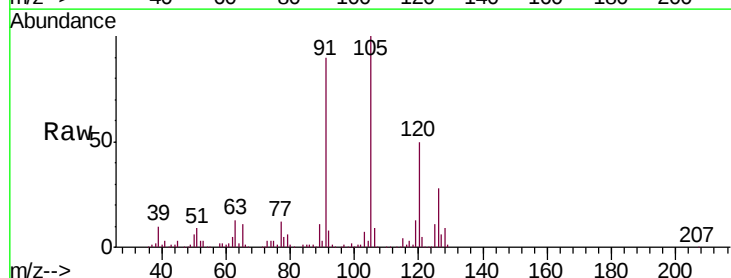
Instrument :
MSVOA_U
ClientSampleId :
VU0912WBSD01

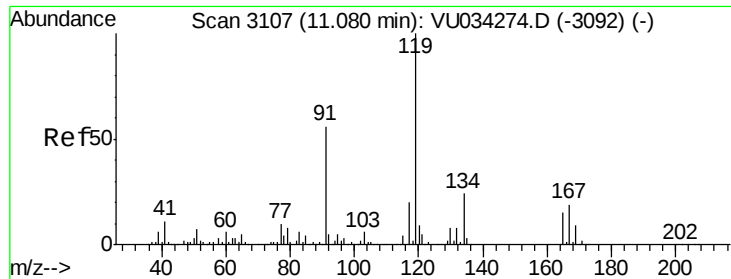
Tgt Ion: 75 Resp: 142873
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 22.059 ug/l
RT: 10.75 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VU034485.D
Acq: 11 Sep 2019 19:29

Tgt Ion: 91 Resp: 281290
Ion Ratio Lower Upper
91 100
126 30.4 15.3 45.8

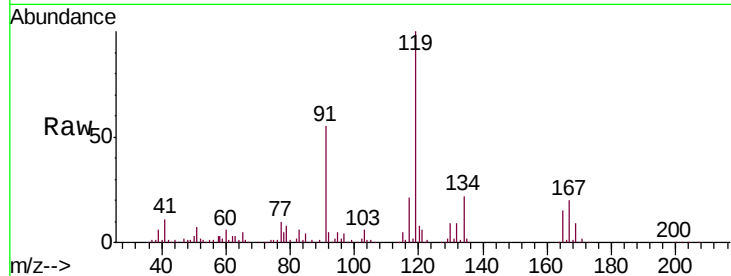




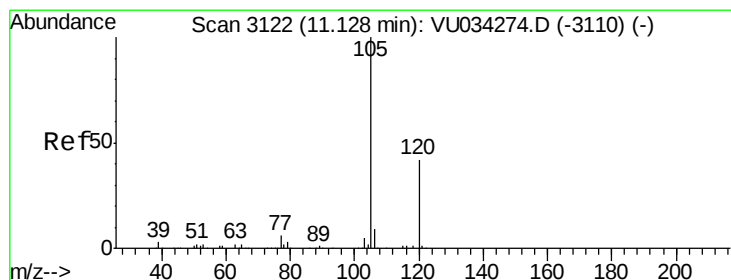
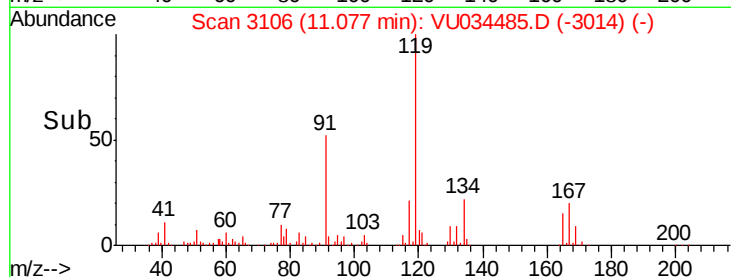
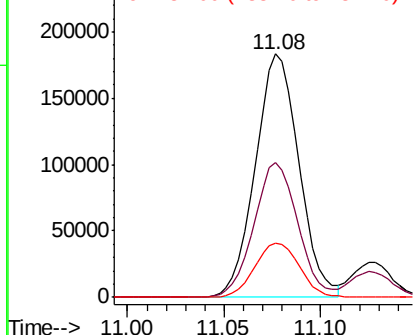
#83
 tert-Butylbenzene
 Concen: 21.903 ug/l
 RT: 11.08 min Scan# 3106
 Delta R.T. -0.00 min
 Lab File: VU034485.D
 Acq: 11 Sep 2019 19:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBSD01

Tgt Ion:119 Resp: 288162
 Ion Ratio Lower Upper
 119 100
 91 55.1 27.8 83.4
 134 22.9 11.7 35.0

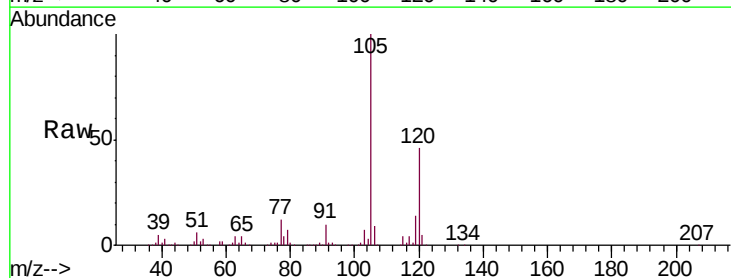


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU
 Ion 134.00 (133.70 to 134.70): V

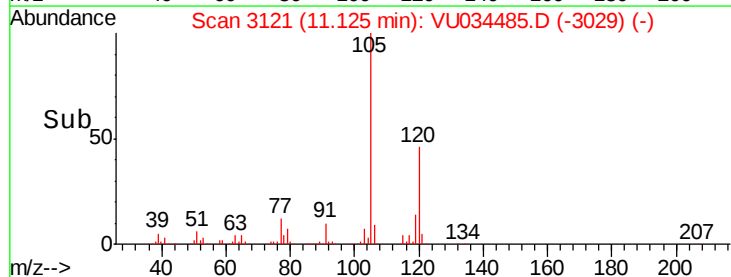
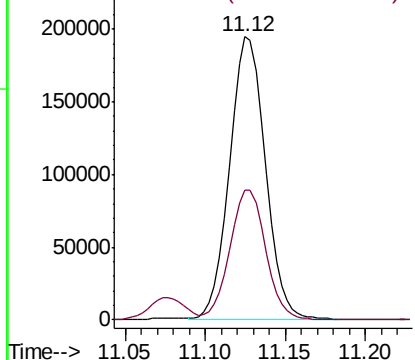


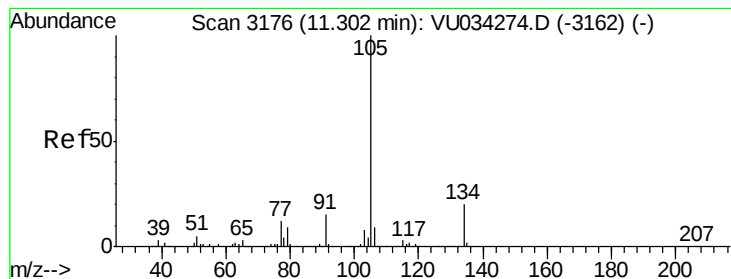
#84
 1,2,4-Trimethylbenzene
 Concen: 22.236 ug/l
 RT: 11.12 min Scan# 3121
 Delta R.T. -0.00 min
 Lab File: VU034485.D
 Acq: 11 Sep 2019 19:29

Tgt Ion:105 Resp: 294362
 Ion Ratio Lower Upper
 105 100
 120 46.3 22.9 68.8



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





#85

sec-Butylbenzene

Concen: 22.095 ug/l

RT: 11.30 min Scan# 3176

Delta R.T. -0.00 min

Lab File: VU034485.D

Acq: 11 Sep 2019 19:29

Instrument :

MSVOA_U

ClientSampleId :

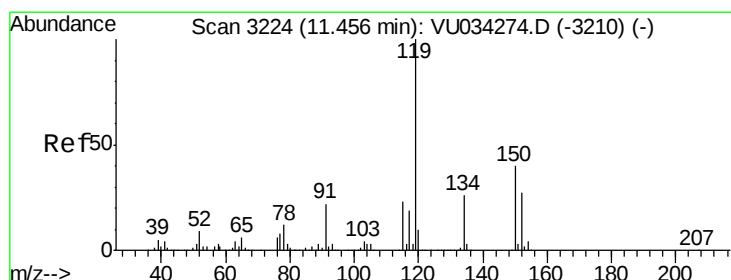
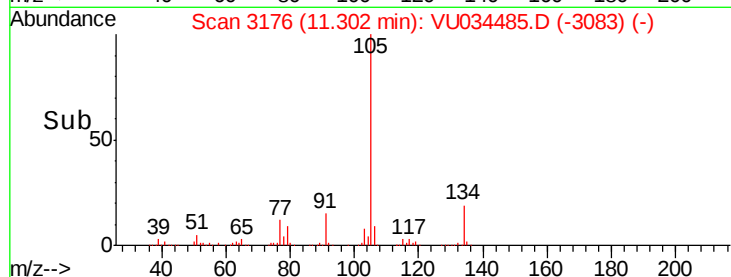
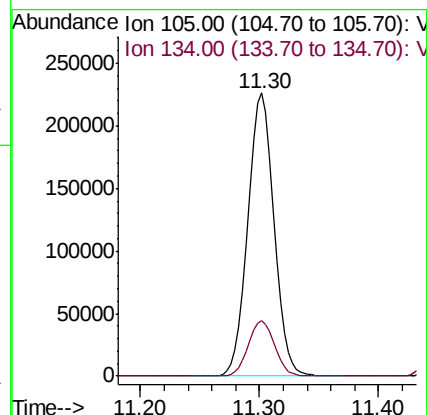
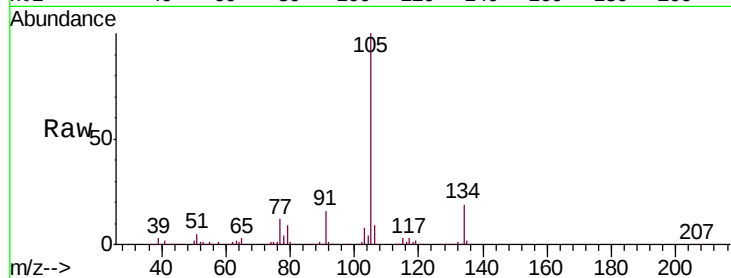
VU0912WBSD01

Tgt Ion:105 Resp: 343177

Ion Ratio Lower Upper

105 100

134 19.9 10.1 30.3



#86

p-Isopropyltoluene

Concen: 22.070 ug/l

RT: 11.45 min Scan# 3223

Delta R.T. -0.00 min

Lab File: VU034485.D

Acq: 11 Sep 2019 19:29

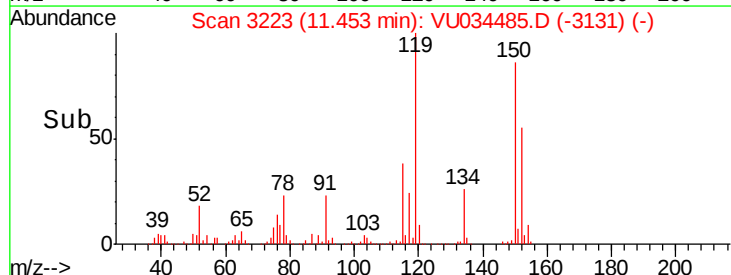
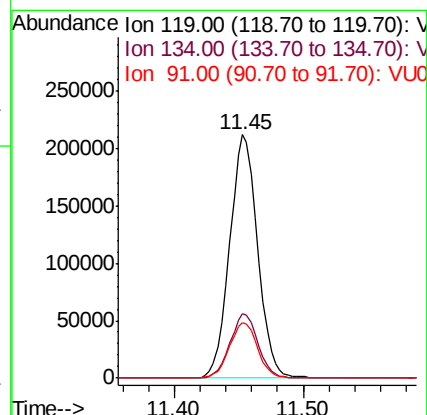
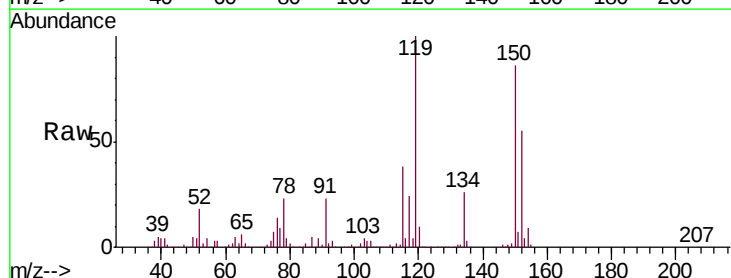
Tgt Ion:119 Resp: 316391

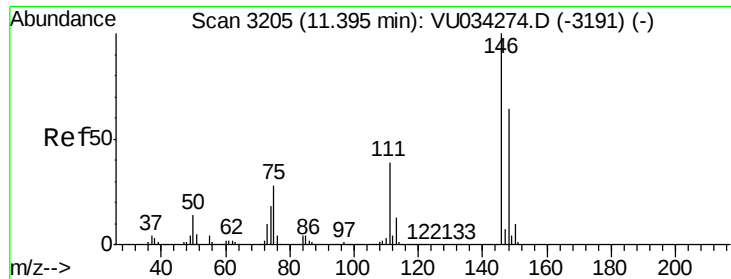
Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.8

91 23.0 11.2 33.6

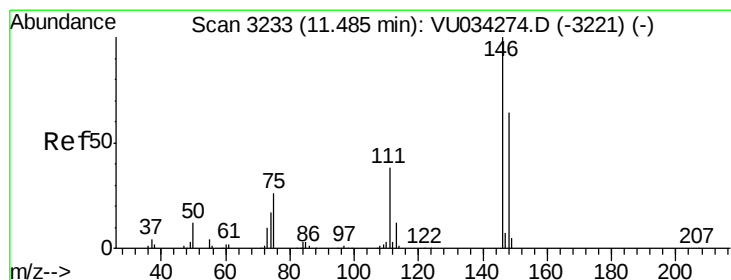
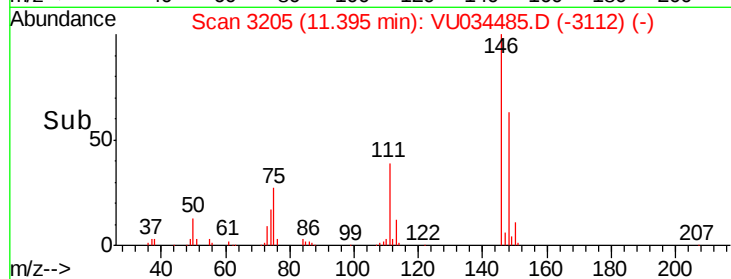
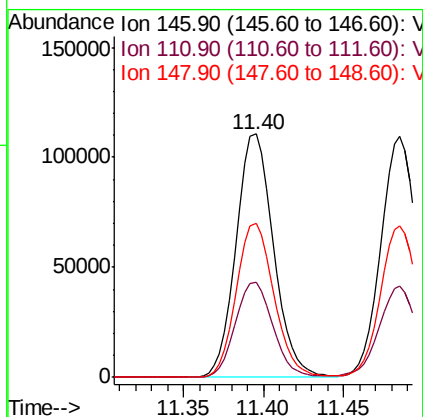
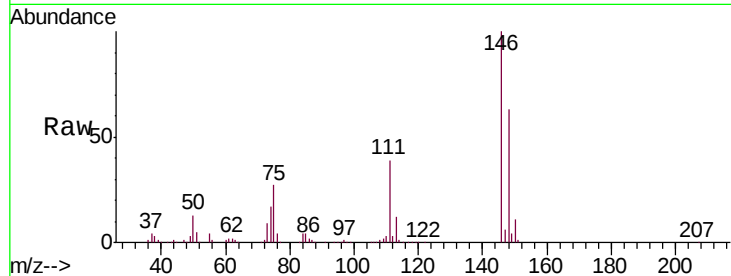




#87
 1,3-Dichlorobenzene
 Concen: 22.012 ug/l
 RT: 11.40 min Scan# 3205
 Delta R.T. -0.00 min
 Lab File: VU034485.D
 Acq: 11 Sep 2019 19:29

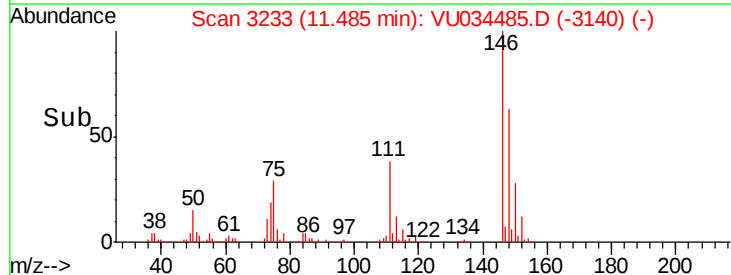
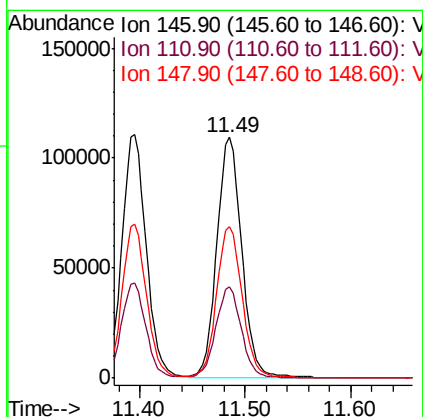
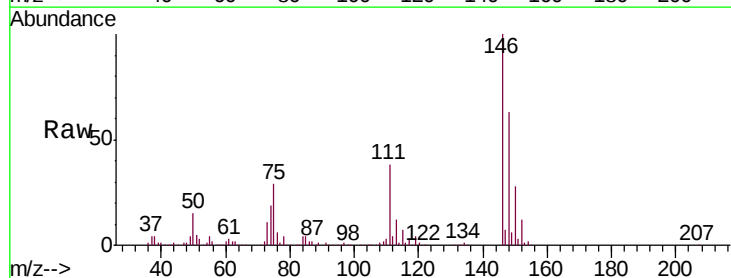
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBSD01

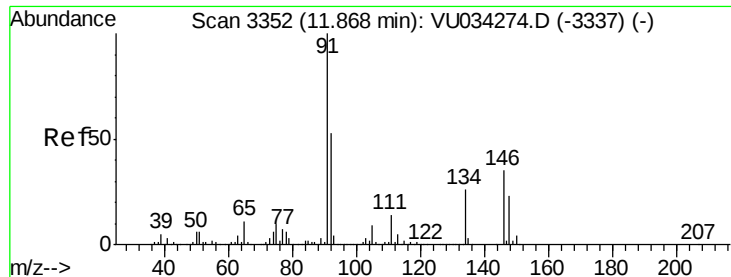
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.5	58.5
148	63.8	32.1	96.3



#88
 1,4-Dichlorobenzene
 Concen: 21.369 ug/l
 RT: 11.49 min Scan# 3233
 Delta R.T. -0.00 min
 Lab File: VU034485.D
 Acq: 11 Sep 2019 19:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.1	57.3
148	64.4	32.0	96.0

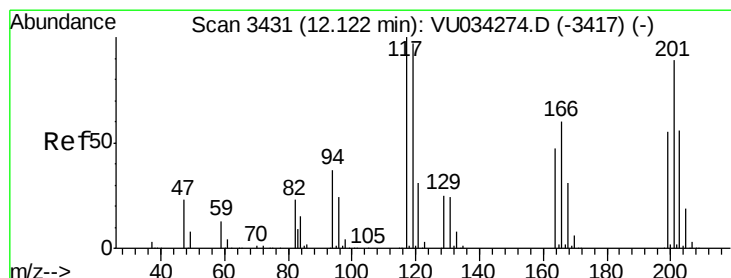
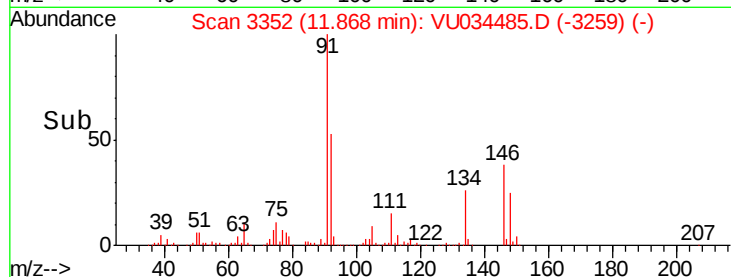
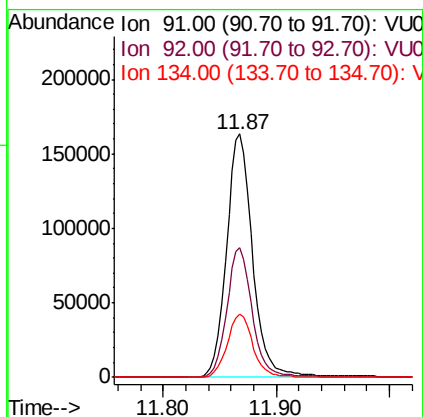
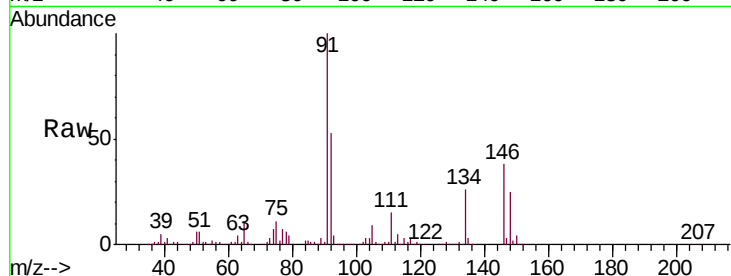




#89
n-Butylbenzene
Concen: 20.978 ug/l
RT: 11.87 min Scan# 3352
Delta R.T. -0.00 min
Lab File: VU034485.D
Acq: 11 Sep 2019 19:29

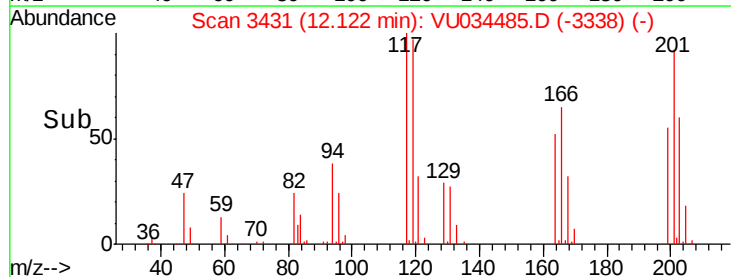
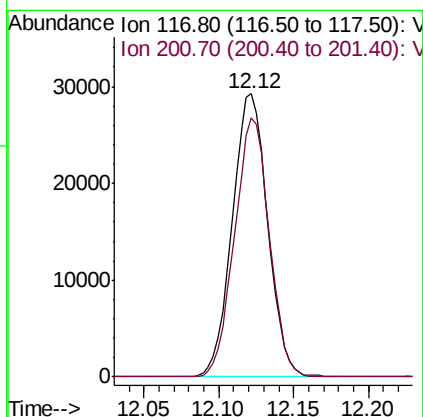
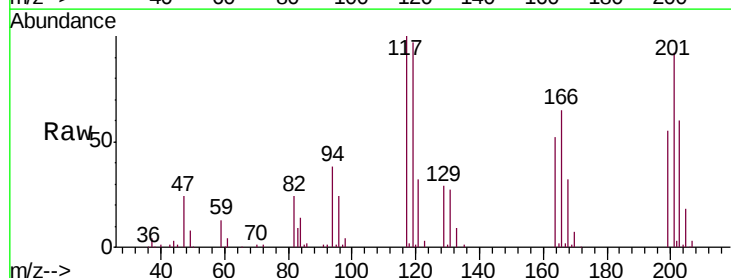
Instrument :
MSVOA_U
ClientSampleId :
VU0912WBSD01

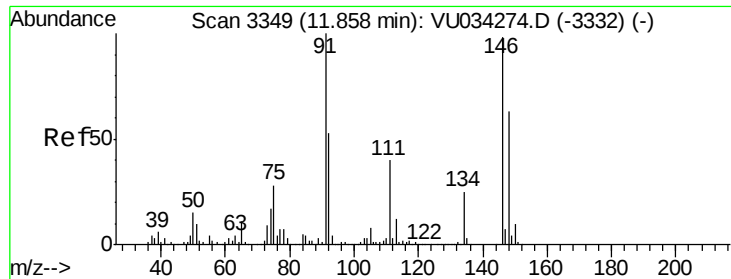
Tgt Ion: 91 Resp: 261343
Ion Ratio Lower Upper
91 100
92 52.1 26.5 79.4
134 25.8 13.2 39.6



#90
Hexachloroethane
Concen: 20.960 ug/l
RT: 12.12 min Scan# 3431
Delta R.T. -0.00 min
Lab File: VU034485.D
Acq: 11 Sep 2019 19:29

Tgt Ion: 117 Resp: 48073
Ion Ratio Lower Upper
117 100
201 89.9 44.1 132.4

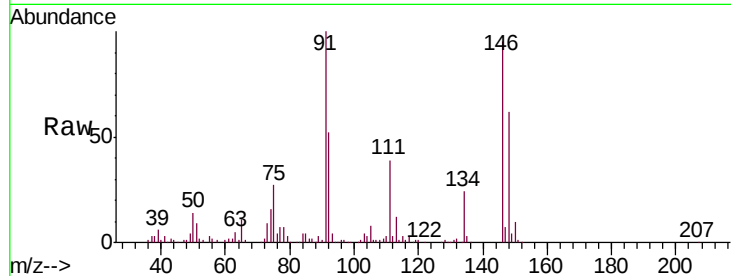




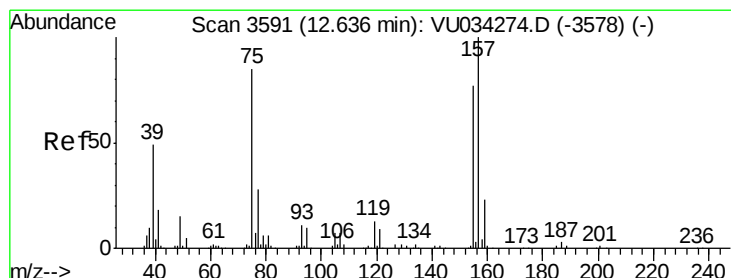
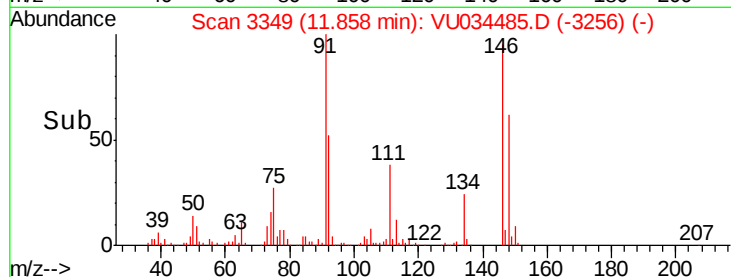
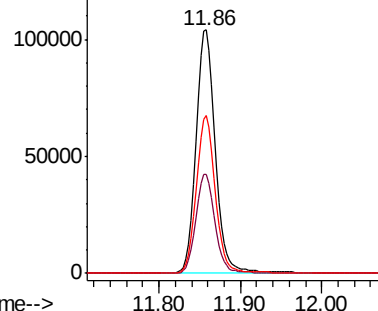
#91
 1,2-Dichlorobenzene
 Concen: 22.246 ug/l
 RT: 11.86 min Scan# 3349
 Delta R.T. -0.00 min
 Lab File: VU034485.D
 Acq: 11 Sep 2019 19:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBSD01

Tgt Ion: 146 Resp: 175414
 Ion Ratio Lower Upper
 146 100
 111 40.4 20.0 60.0
 148 64.0 31.6 94.8

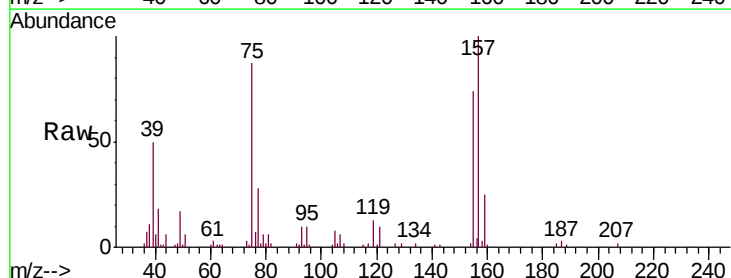


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

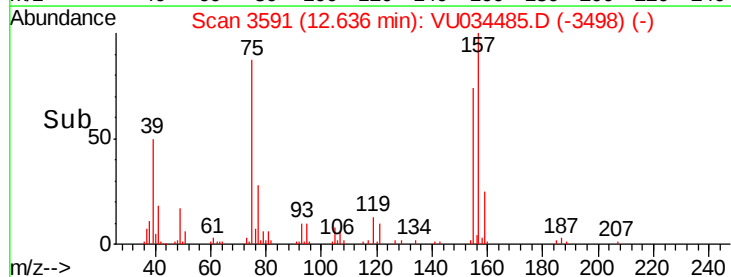
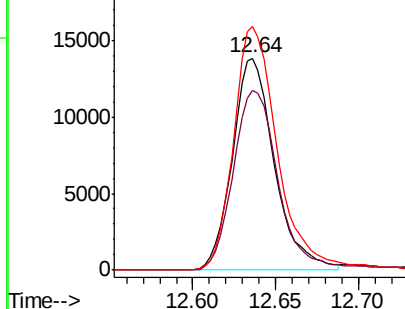


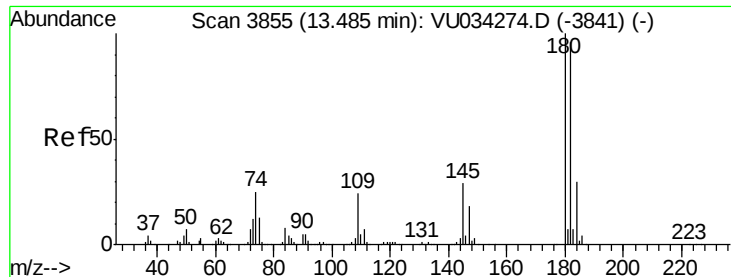
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.926 ug/l
 RT: 12.64 min Scan# 3591
 Delta R.T. -0.00 min
 Lab File: VU034485.D
 Acq: 11 Sep 2019 19:29

Tgt Ion: 75 Resp: 24475
 Ion Ratio Lower Upper
 75 100
 155 91.7 44.6 134.0
 157 121.4 58.2 174.6



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

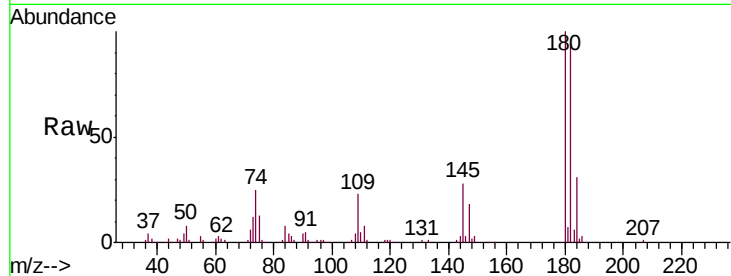




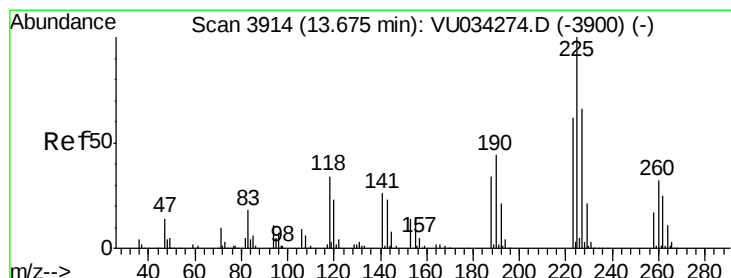
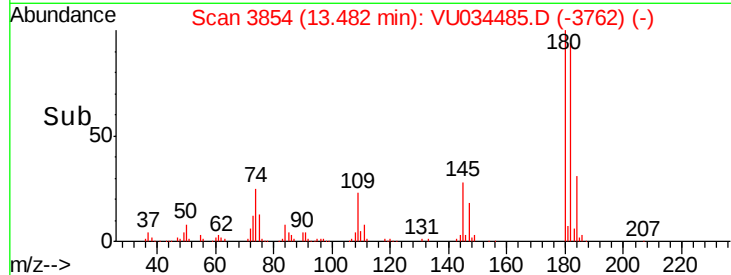
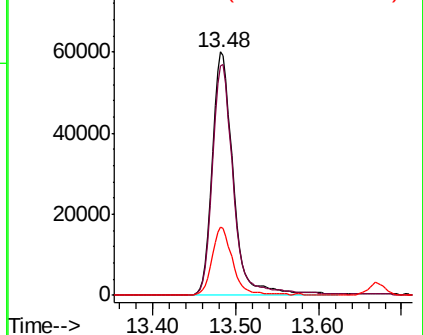
#93
 1,2,4-Trichlorobenzene
 Concen: 20.823 ug/l
 RT: 13.48 min Scan# 3854
 Delta R.T. -0.00 min
 Lab File: VU034485.D
 Acq: 11 Sep 2019 19:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBSD01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.9	143.8
145	27.7	14.4	43.0

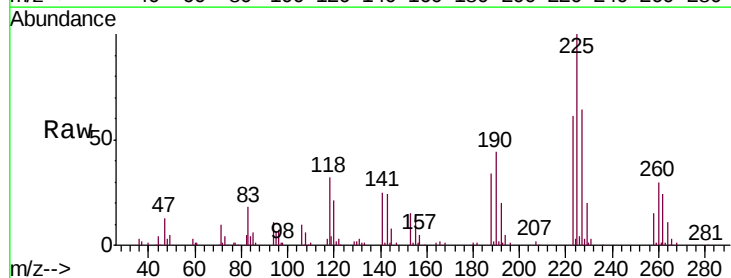


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

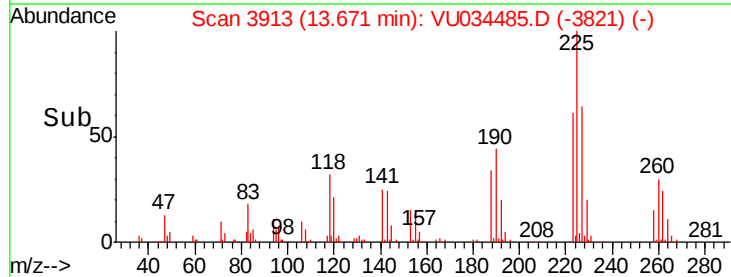
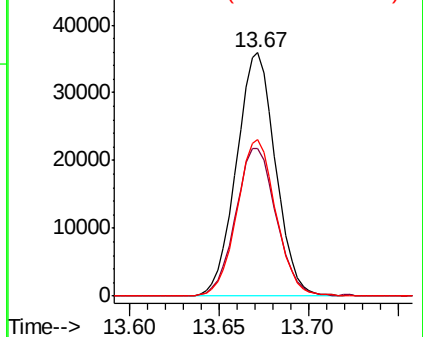


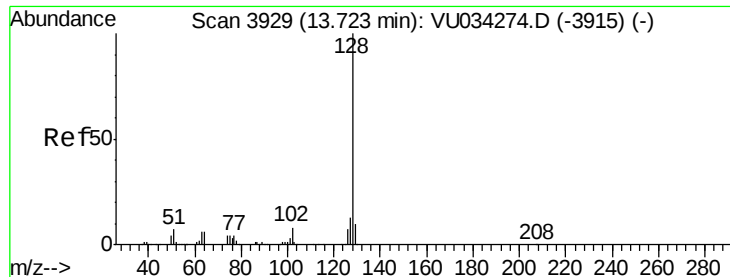
#94
 Hexachlorobutadiene
 Concen: 19.968 ug/l
 RT: 13.67 min Scan# 3913
 Delta R.T. -0.00 min
 Lab File: VU034485.D
 Acq: 11 Sep 2019 19:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.6	94.7
227	63.9	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

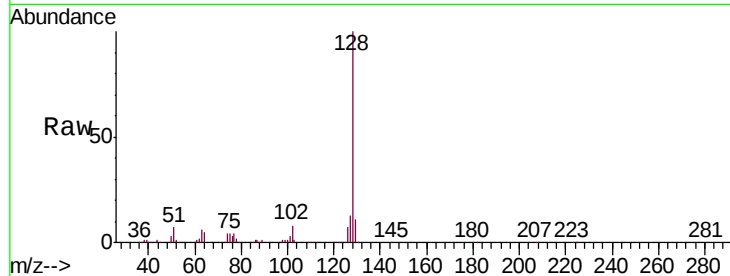




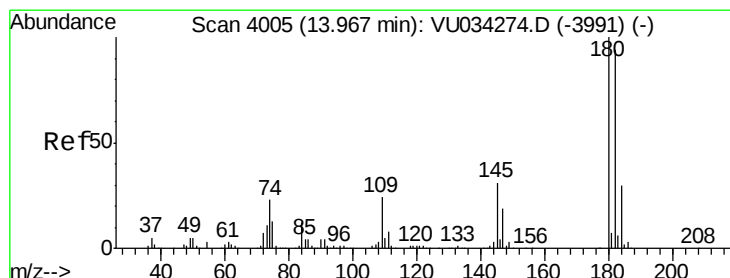
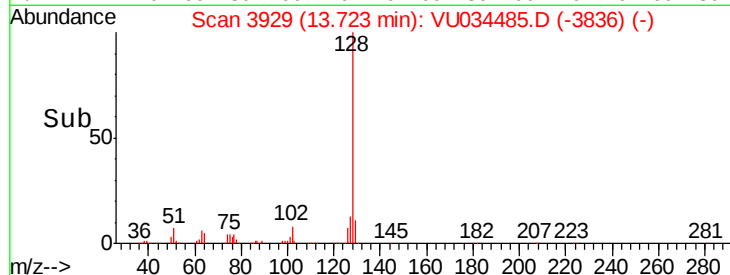
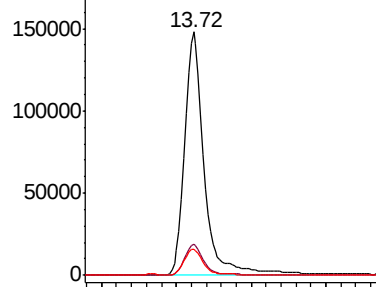
#95
Naphthalene
Concen: 19.484 ug/l
RT: 13.72 min Scan# 3929
Delta R.T. -0.00 min
Lab File: VU034485.D
Acq: 11 Sep 2019 19:29

Instrument :
MSVOA_U
ClientSampleId :
VU0912WBSD01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.0	10.6	15.8
129	10.3	8.4	12.6

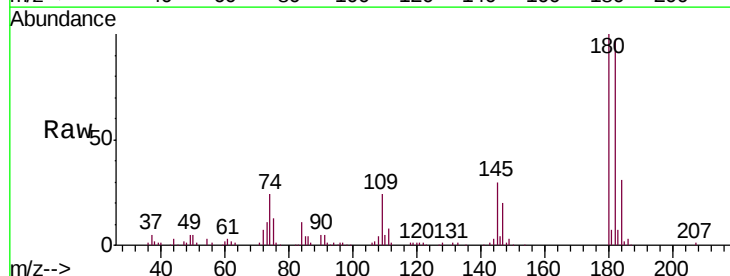


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.582 ug/l
RT: 13.97 min Scan# 4005
Delta R.T. 0.00 min
Lab File: VU034485.D
Acq: 11 Sep 2019 19:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	48.4	145.0
145	29.9	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

