

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090619\
 Data File : VU034277.D
 Acq On : 05 Sep 2019 11:40
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU090619

Quant Time: Sep 06 05:12:45 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	340422	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	488894	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	479814	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	309056	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	257339	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
35) Dibromofluoromethane	4.86	113	226485	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	
50) Toluene-d8	7.55	98	906193	53.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.04%	
62) 4-Bromofluorobenzene	10.29	95	333418	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	163472	45.915	ug/l	99
3) Chloromethane	1.32	50	206946	53.808	ug/l	98
4) Vinyl Chloride	1.40	62	202196	45.575	ug/l	98
5) Bromomethane	1.61	94	121816	54.481	ug/l	100
6) Chloroethane	1.69	64	127733	49.526	ug/l	97
7) Trichlorofluoromethane	1.87	101	275028	46.233	ug/l	98
8) Diethyl Ether	2.09	74	123939	47.366	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.27	101	184646	46.865	ug/l	99
10) Methyl Iodide	2.40	142	136763	38.868	ug/l	99
11) Tert butyl alcohol	2.81	59	299144	274.910	ug/l	100
12) 1,1-Dichloroethene	2.27	96	174513	47.117	ug/l	98
13) Acrolein	2.18	56	213391	233.321	ug/l	99
14) Allyl chloride	2.58	41	292991	41.377	ug/l	90
15) Acrylonitrile	2.92	53	712749	263.031	ug/l	98
16) Acetone	2.31	43	706950	265.227	ug/l	99
17) Carbon Disulfide	2.46	76	379198	45.553	ug/l	99
18) Methyl Acetate	2.60	43	314019	48.417	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	681794	50.503	ug/l	99
20) Methylene Chloride	2.68	84	220846	50.590	ug/l	99
21) trans-1,2-Dichloroethene	2.96	96	185337	47.485	ug/l	97
22) Diisopropyl ether	3.55	45	691418	50.070	ug/l	98
23) Vinyl Acetate	3.50	43	2969488	263.996	ug/l	99
24) 1,1-Dichloroethane	3.42	63	382822	46.422	ug/l	99
25) 2-Butanone	4.23	43	997530	280.360	ug/l	99
26) 2,2-Dichloropropane	4.20	77	320038	48.253	ug/l	99
27) cis-1,2-Dichloroethene	4.20	96	233521	49.262	ug/l	99
28) Bromochloromethane	4.52	49	170147	44.857	ug/l	100
29) Tetrahydrofuran	4.61	42	594662	274.660	ug/l	100
30) Chloroform	4.65	83	385181	45.951	ug/l	99
31) Cyclohexane	4.97	56	286213	47.441	ug/l	98
32) 1,1,1-Trichloroethane	4.89	97	315094	47.016	ug/l	99
36) 1,1-Dichloropropene	5.11	75	260232	49.081	ug/l	100
37) Ethyl Acetate	4.36	43	338235	53.955	ug/l	99
38) Carbon Tetrachloride	5.11	117	269352	47.579	ug/l	97

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	289782	51.126	ug/l	100
40) Benzene	5.37	78	824579	48.197	ug/l	99
41) Methacrylonitrile	4.52	41	183214	54.868	ug/l	100
42) 1,2-Dichloroethane	5.38	62	283698	47.761	ug/l	99
43) Isopropyl Acetate	5.53	43	524703	53.655	ug/l	100
44) Trichloroethene	6.16	130	227933	48.145	ug/l	100
45) 1,2-Dichloropropane	6.41	63	240986	48.182	ug/l	98
46) Dibromomethane	6.54	93	151476	48.248	ug/l	99
47) Bromodichloromethane	6.74	83	311213	48.158	ug/l	99
48) Methyl methacrylate	6.60	41	246141	52.994	ug/l	99
49) 1,4-Dioxane	6.59	88	103038	1015.907	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	1807260	266.983	ug/l	99
52) Toluene	7.62	92	532032	49.573	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	345011	51.501	ug/l	100
54) cis-1,3-Dichloropropene	7.25	75	374779	50.973	ug/l	98
55) 1,1,2-Trichloroethane	8.05	97	235962	48.420	ug/l	99
56) Ethyl methacrylate	8.00	69	365373	49.389	ug/l	99
57) 1,3-Dichloropropane	8.22	76	389181	49.044	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.11	63	703842	278.926	ug/l	99
59) 2-Hexanone	8.34	43	1422007	281.199	ug/l	99
60) Dibromochloromethane	8.46	129	258669	49.487	ug/l	97
61) 1,2-Dibromoethane	8.57	107	237331	49.757	ug/l	100
64) Tetrachloroethene	8.21	164	198375	47.656	ug/l	98
65) Chlorobenzene	9.10	112	609343	50.057	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	228062	49.091	ug/l	99
67) Ethyl Benzene	9.23	91	1037284	52.115	ug/l	99
68) m/p-Xylenes	9.36	106	797270	106.374	ug/l	100
69) o-Xylene	9.76	106	390712	53.305	ug/l	99
70) Styrene	9.77	104	700070	54.476	ug/l	99
71) Bromoform	9.94	173	207617	51.566	ug/l #	100
73) Isopropylbenzene	10.15	105	1067317	53.067	ug/l	100
74) N-amyl acetate	10.00	43	473387	58.473	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	406223	49.898	ug/l	100
76) 1,2,3-Trichloropropane	10.48	75	454152	67.320	ug/l	85
77) Bromobenzene	10.43	156	284063	50.511	ug/l	99
78) n-propylbenzene	10.57	91	1250909	53.853	ug/l	100
79) 2-Chlorotoluene	10.64	91	740287	52.233	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	923960	54.929	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.48	75	455940	227.285	ug/l #	100
82) 4-Chlorotoluene	10.75	91	861127	52.797	ug/l	100
83) tert-Butylbenzene	11.08	119	902233	53.617	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	928655	54.845	ug/l	100
85) sec-Butylbenzene	11.30	105	1086700	54.702	ug/l	100
86) p-Isopropyltoluene	11.46	119	1013949	55.298	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	522113	50.878	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	528450	49.371	ug/l	99
89) n-Butylbenzene	11.87	91	924666	58.030	ug/l	100
90) Hexachloroethane	12.12	117	153044	52.170	ug/l	99
91) 1,2-Dichlorobenzene	11.86	146	513368	50.902	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	86715	57.965	ug/l	99

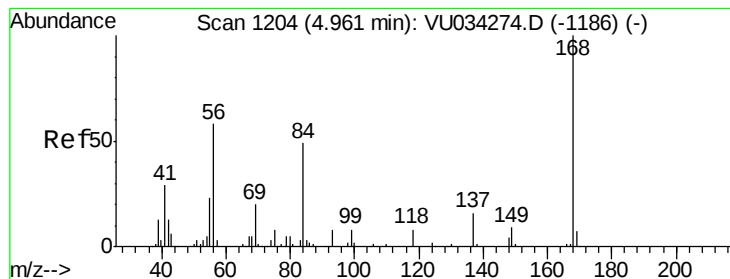
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Quant Title : SW846 8260
QLast Update : Fri Sep 06 05:10:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	387822	52.812	ug/l	99
94) Hexachlorobutadiene	13.67	225	188545	53.445	ug/l	99
95) Naphthalene	13.72	128	1163044	55.951	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	382554	53.929	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034277.D

Acq: 05 Sep 2019 11:40

Instrument :

MSVOA_U

ClientSampleId :

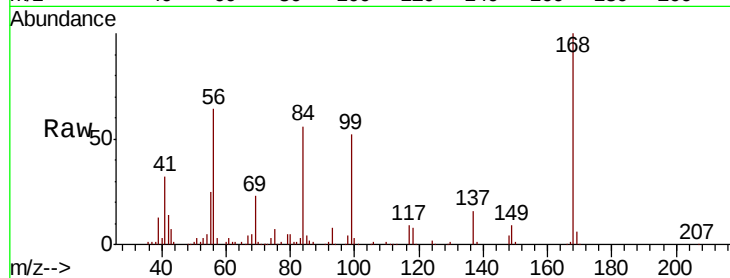
ICVVU090619

Tgt Ion:168 Resp: 340422

Ion Ratio Lower Upper

168 100

99 51.9 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): VU034277.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU034277.D (-1186) (-)

4.96

150000

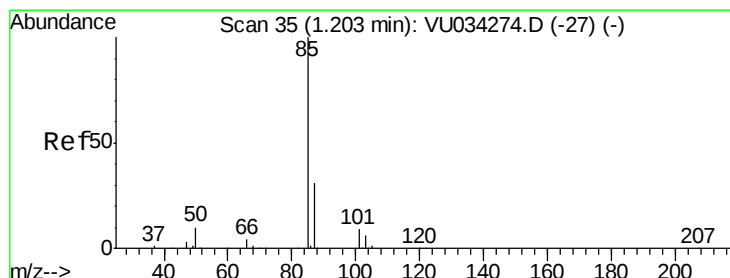
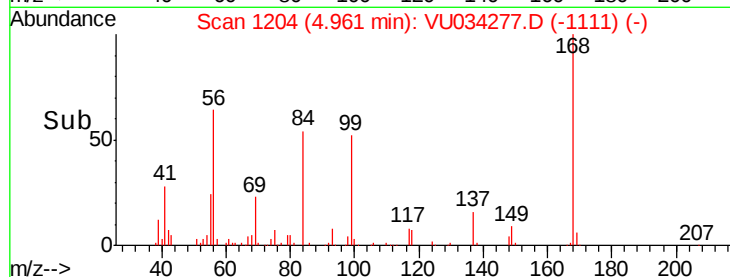
100000

50000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 45.915 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034277.D

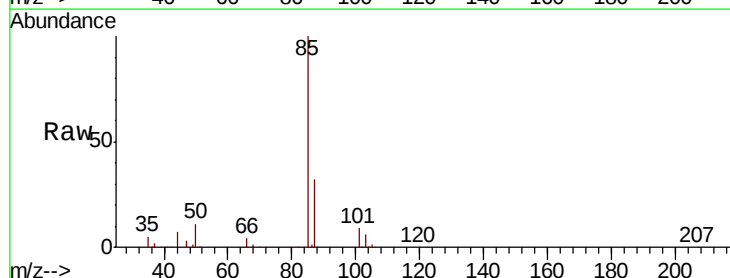
Acq: 05 Sep 2019 11:40

Tgt Ion: 85 Resp: 163472

Ion Ratio Lower Upper

85 100

87 31.9 15.7 47.0



Abundance Ion 84.90 (84.60 to 85.60): VU034277.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VU034277.D (-1) (-)

1.20

150000

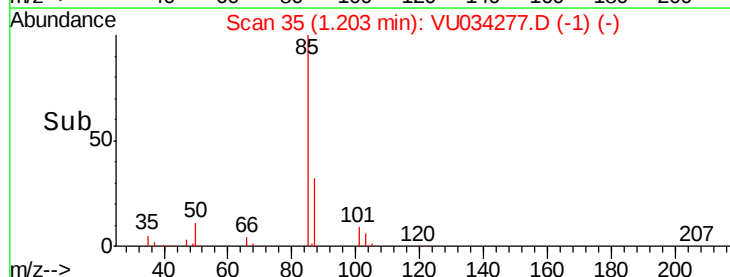
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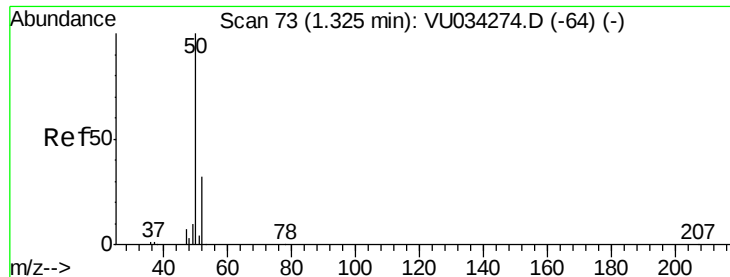
50000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 53.808 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034277.D

Acq: 05 Sep 2019 11:40

Instrument :

MSVOA_U

ClientSampleId :

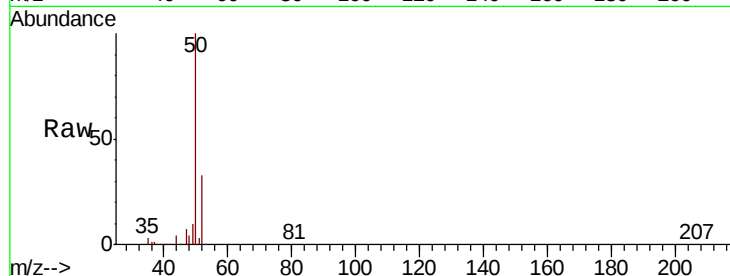
ICVVU090619

Tgt Ion: 50 Resp: 206946

Ion Ratio Lower Upper

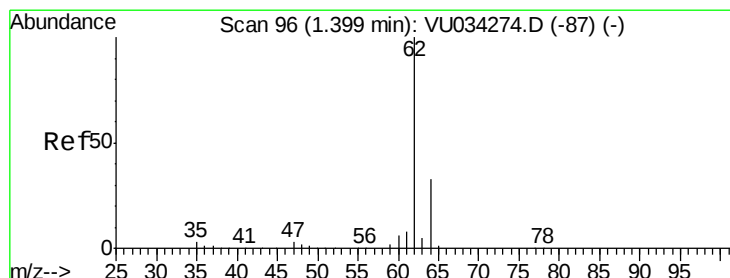
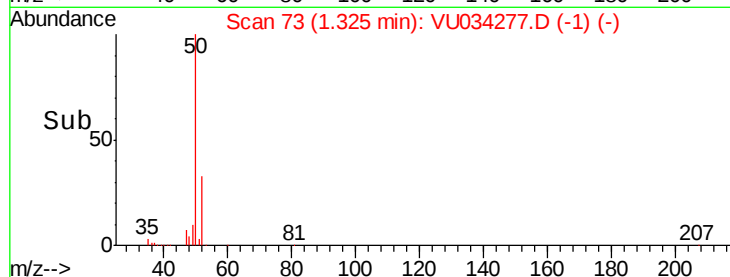
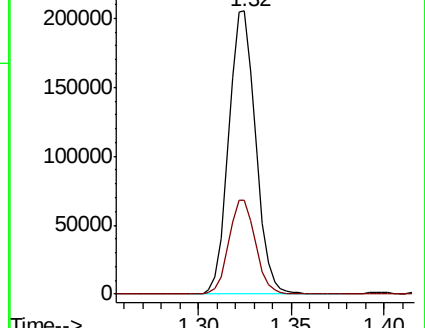
50 100

52 33.3 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VU034277.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VU034277.D (-1) (-)



#4

Vinyl Chloride

Concen: 45.575 ug/l

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU034277.D

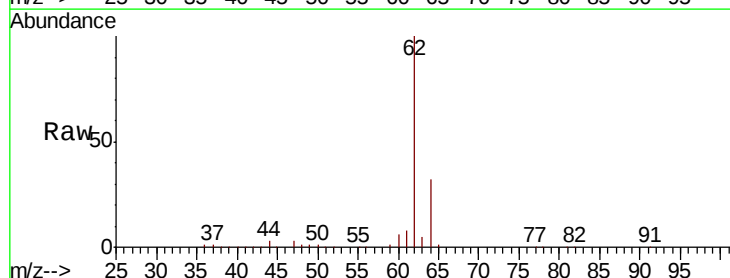
Acq: 05 Sep 2019 11:40

Tgt Ion: 62 Resp: 202196

Ion Ratio Lower Upper

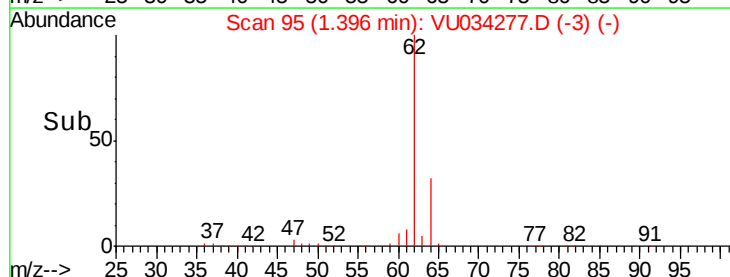
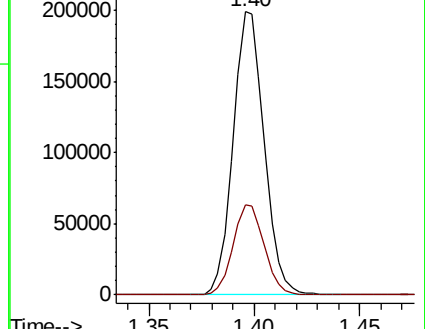
62 100

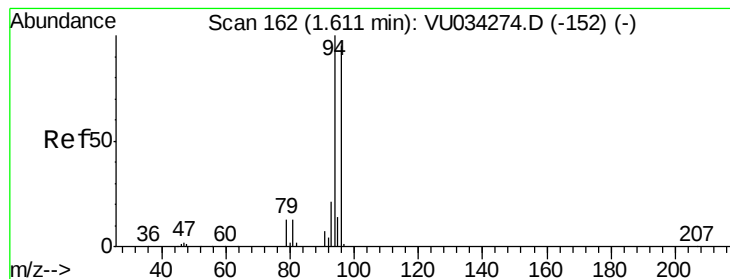
64 31.6 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VU034277.D (-3) (-)

Ion 63.90 (63.60 to 64.60): VU034277.D (-3) (-)





#5

Bromomethane

Concen: 54.481 ug/l

RT: 1.61 min Scan# 162

Delta R.T. 0.00 min

Lab File: VU034277.D

Acq: 05 Sep 2019 11:40

Instrument :

MSVOA_U

ClientSampleId :

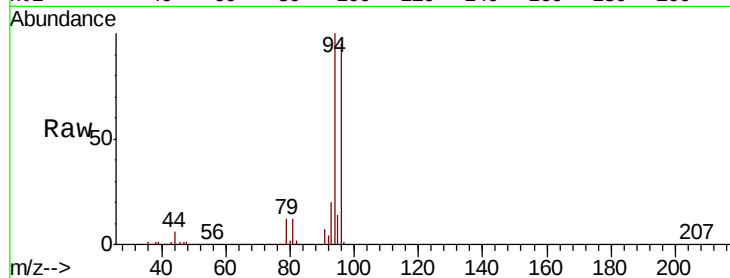
ICVVU090619

Tgt Ion: 94 Resp: 121816

Ion Ratio Lower Upper

94 100

96 95.0 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VU034277.D (-152) (-)

Ion 95.90 (95.60 to 96.60): VU034277.D (-152) (-)

1.61

100000

80000

60000

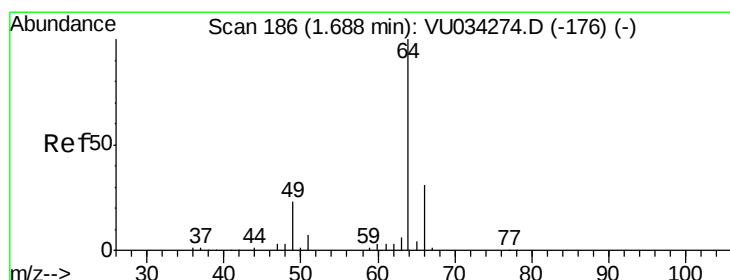
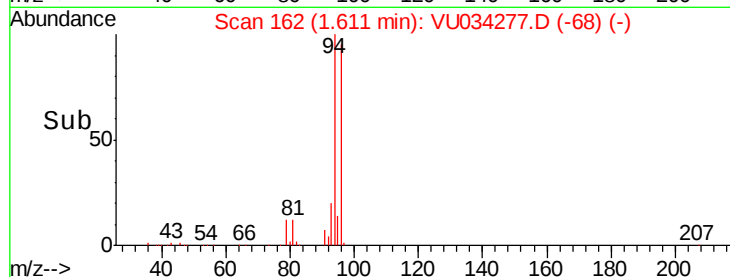
40000

20000

0

1.55 1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 49.526 ug/l

RT: 1.69 min Scan# 185

Delta R.T. -0.00 min

Lab File: VU034277.D

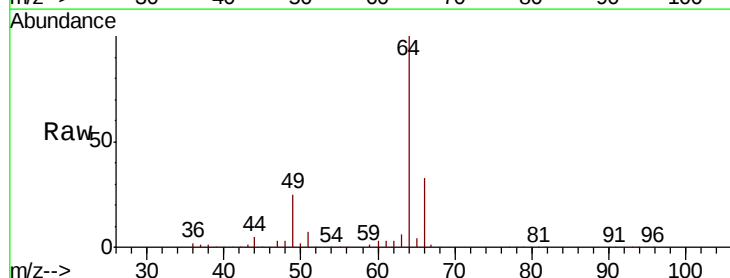
Acq: 05 Sep 2019 11:40

Tgt Ion: 64 Resp: 127733

Ion Ratio Lower Upper

64 100

66 33.2 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU034277.D (-176) (-)

Ion 65.90 (65.60 to 66.60): VU034277.D (-176) (-)

1.69

100000

80000

60000

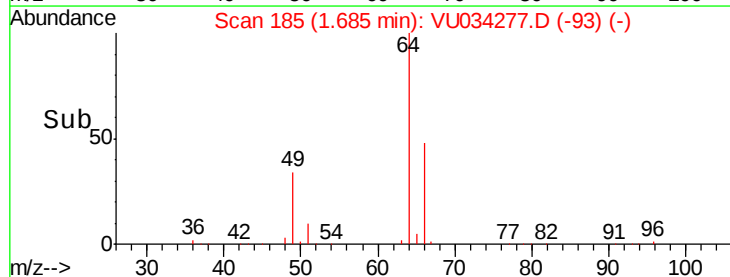
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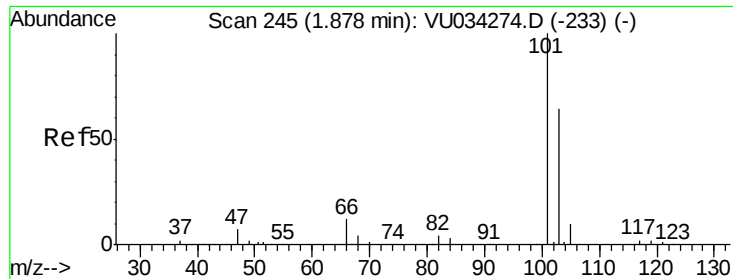
20000

0

1.65 1.70 1.75

Time-->





#7

Trichlorofluoromethane

Concen: 46.233 ug/l

RT: 1.87 min Scan# 244

Delta R.T. -0.00 min

Lab File: VU034277.D

Acq: 05 Sep 2019 11:40

Instrument :

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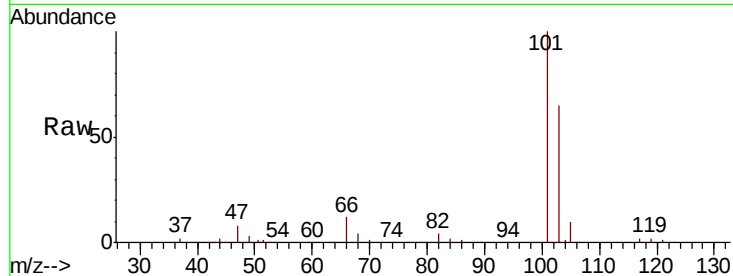
ICVVU090619

Tgt Ion:101 Resp: 275028

Ion Ratio Lower Upper

101 100

103 65.4 51.0 76.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

1.87

200000

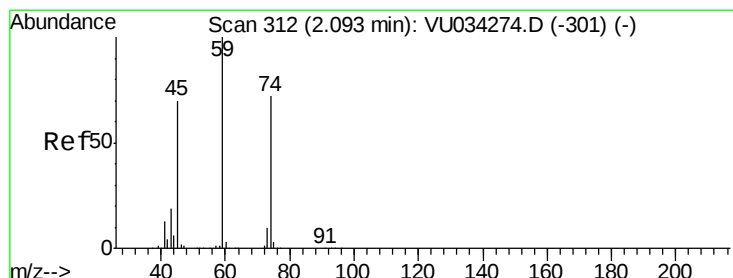
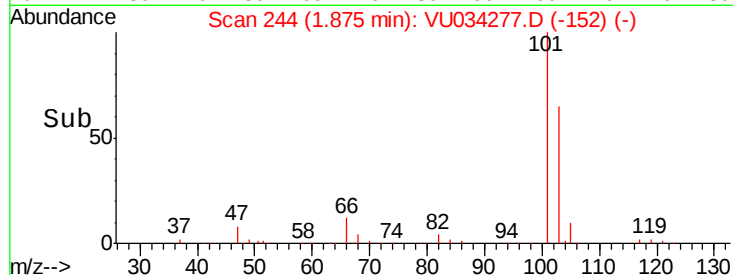
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 47.366 ug/l

RT: 2.09 min Scan# 312

Delta R.T. 0.00 min

Lab File: VU034277.D

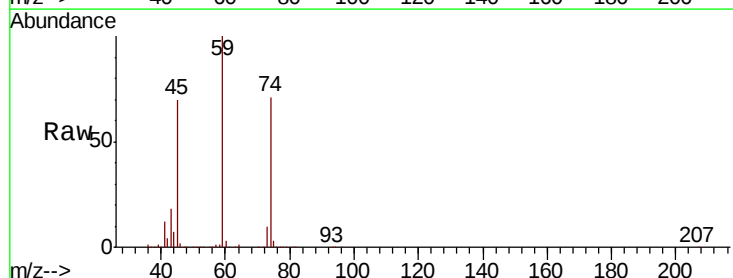
Acq: 05 Sep 2019 11:40

Tgt Ion: 74 Resp: 123939

Ion Ratio Lower Upper

74 100

45 97.2 48.2 144.6



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0

2.09

100000

80000

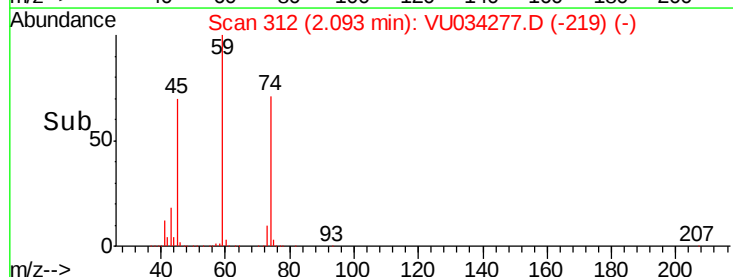
60000

40000

20000

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.865 ug/l

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034277.D

Acq: 05 Sep 2019 11:40

Instrument :

MSVOA_U

ClientSampleId :

ICVVU090619

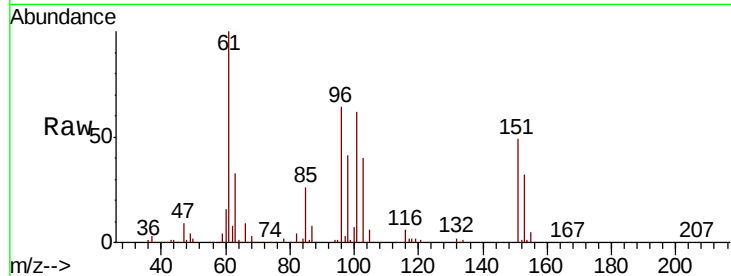
Tgt Ion:101 Resp: 184646

Ion Ratio Lower Upper

101 100

85 42.6 34.4 51.6

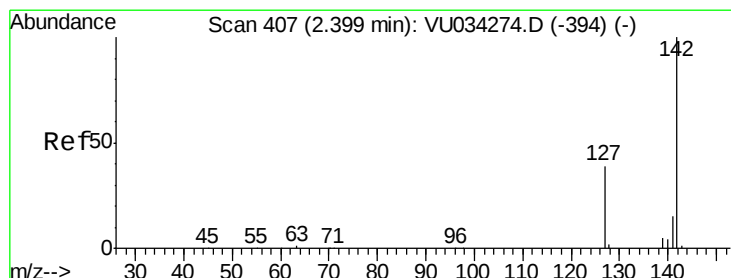
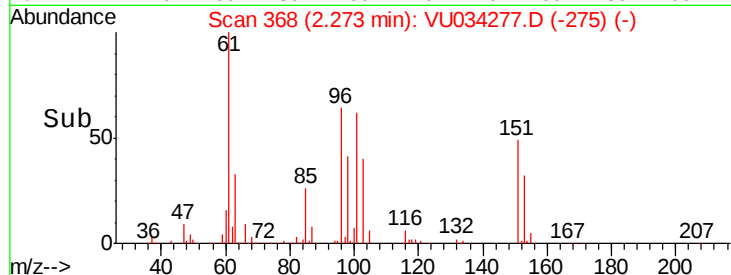
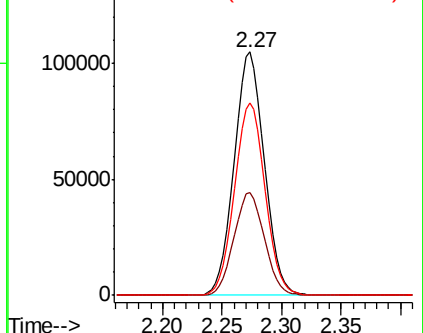
151 79.9 64.4 96.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 38.868 ug/l

RT: 2.40 min Scan# 407

Delta R.T. 0.00 min

Lab File: VU034277.D

Acq: 05 Sep 2019 11:40

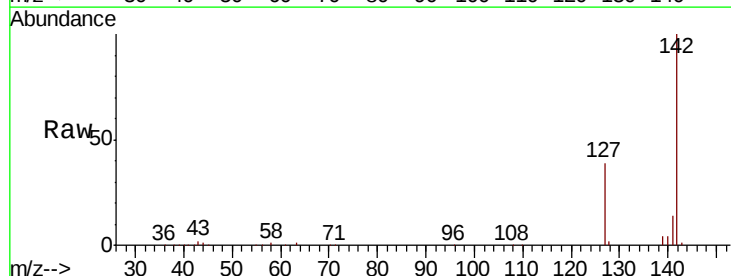
Tgt Ion:142 Resp: 136763

Ion Ratio Lower Upper

142 100

127 39.5 32.1 48.1

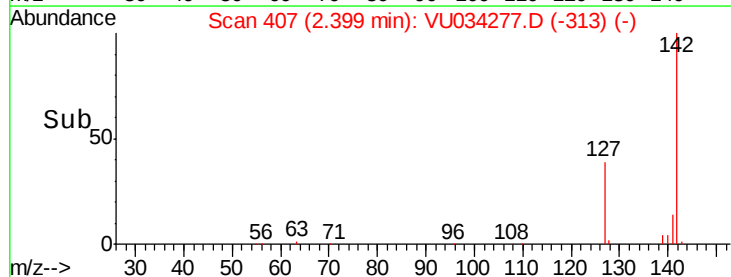
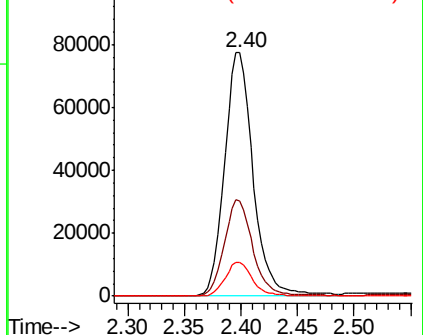
141 13.3 11.5 17.3

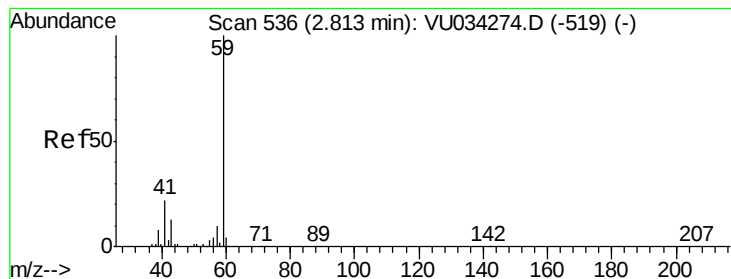


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



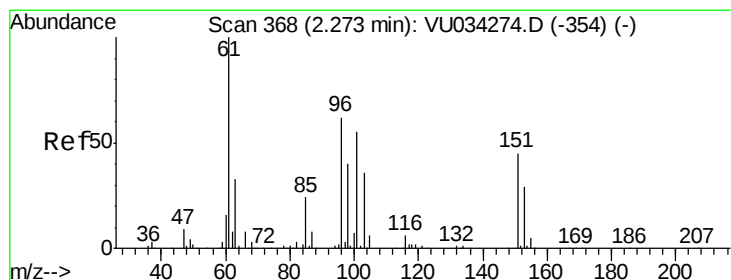
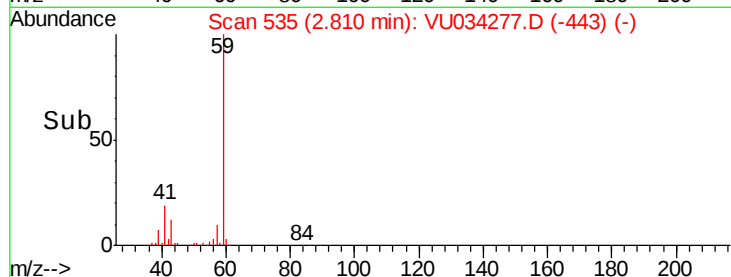
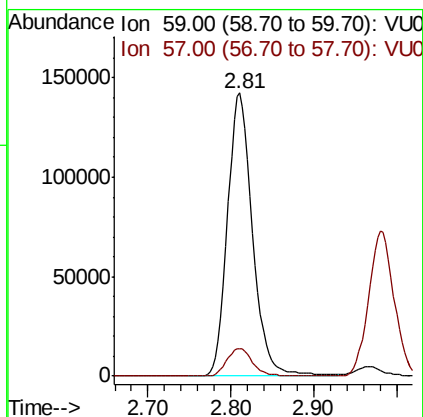
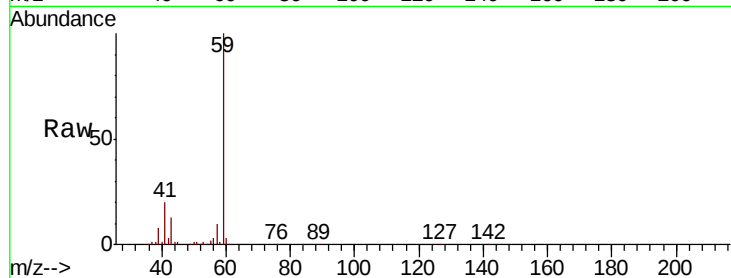


#11

Tert butyl alcohol
 Concen: 274.910 ug/l
 RT: 2.81 min Scan# 535
 Delta R.T. -0.00 min
 Lab File: VU034277.D
 Acq: 05 Sep 2019 11:40

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU090619

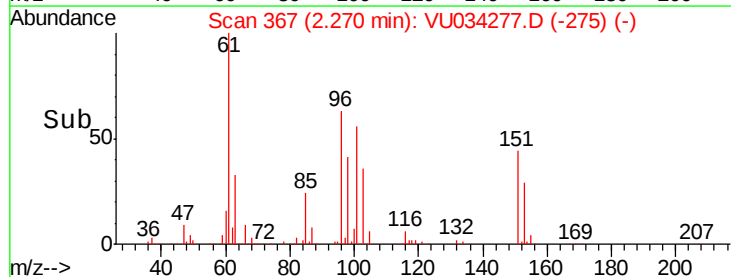
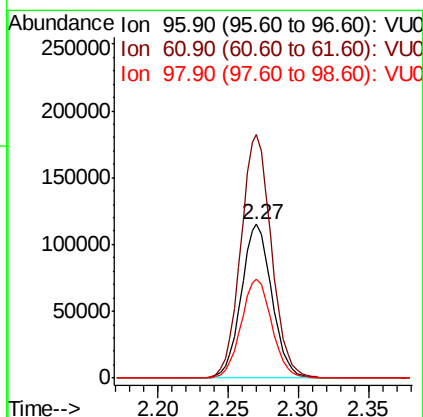
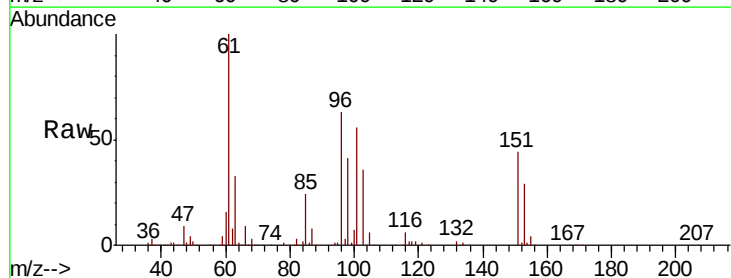
Tgt Ion: 59 Resp: 299144
 Ion Ratio Lower Upper
 59 100
 57 10.0 7.9 11.9

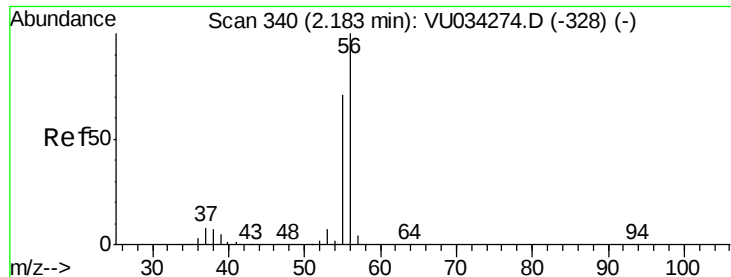


#12

1,1-Dichloroethene
 Concen: 47.117 ug/l
 RT: 2.27 min Scan# 367
 Delta R.T. -0.00 min
 Lab File: VU034277.D
 Acq: 05 Sep 2019 11:40

Tgt Ion: 96 Resp: 174513
 Ion Ratio Lower Upper
 96 100
 61 158.9 130.0 195.0
 98 64.5 52.2 78.4





#13

Acrolein

Concen: 233.321 ug/l

RT: 2.18 min Scan# 339

Delta R.T. -0.00 min

Lab File: VU034277.D

Acq: 05 Sep 2019 11:40

Instrument :

MSVOA_U

ClientSampleId :

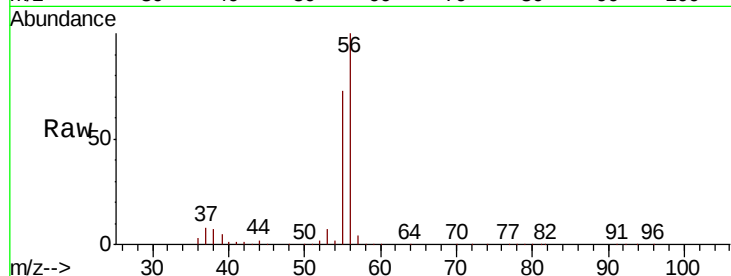
ICVVU090619

Tgt Ion: 56 Resp: 213391

Ion Ratio Lower Upper

56 100

55 72.3 57.4 86.2



Abundance Ion 56.00 (55.70 to 56.70): VU034277.D (-247) (-)

Ion 55.00 (54.70 to 55.70): VU034277.D (-247) (-)

2.18

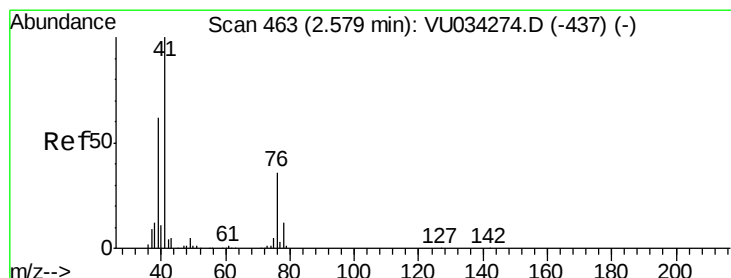
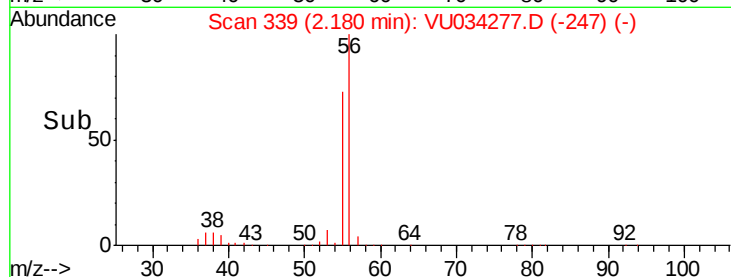
150000

100000

50000

0

Time-->



#14

Allyl chloride

Concen: 41.377 ug/l

RT: 2.58 min Scan# 462

Delta R.T. -0.00 min

Lab File: VU034277.D

Acq: 05 Sep 2019 11:40

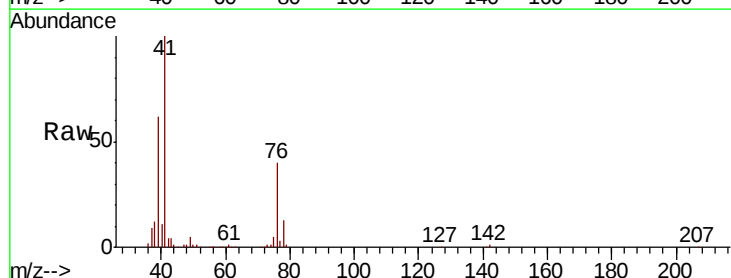
Tgt Ion: 41 Resp: 292991

Ion Ratio Lower Upper

41 100

39 62.6 43.5 65.3

76 38.6 27.0 40.6



Abundance Ion 41.00 (40.70 to 41.70): VU034277.D (-370) (-)

Ion 39.00 (38.70 to 39.70): VU034277.D (-370) (-)

Ion 75.90 (75.60 to 76.60): VU034277.D (-370) (-)

2.58

200000

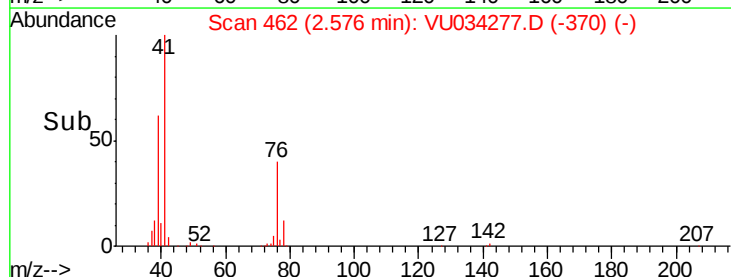
150000

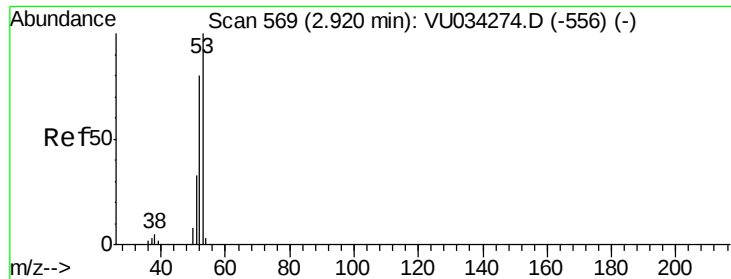
100000

50000

0

Time-->





#15

Acrylonitrile

Concen: 263.031 ug/l

RT: 2.92 min Scan# 568

Delta R.T. -0.00 min

Lab File: VU034277.D

Acq: 05 Sep 2019 11:40

Instrument :

MSVOA_U

ClientSampleId :

ICVVU090619

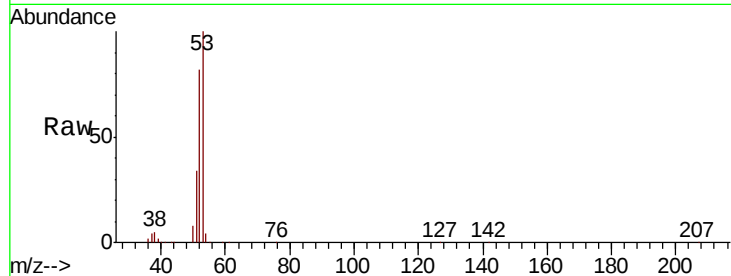
Tgt Ion: 53 Resp: 712749

Ion Ratio Lower Upper

53 100

52 82.3 64.1 96.1

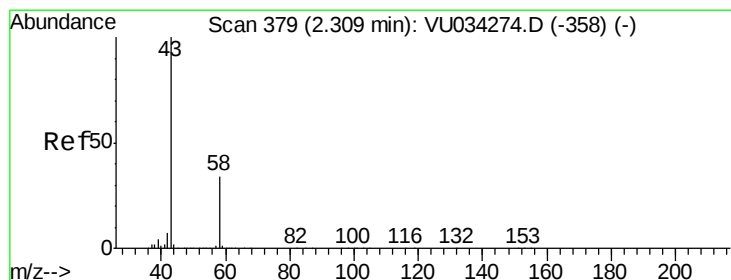
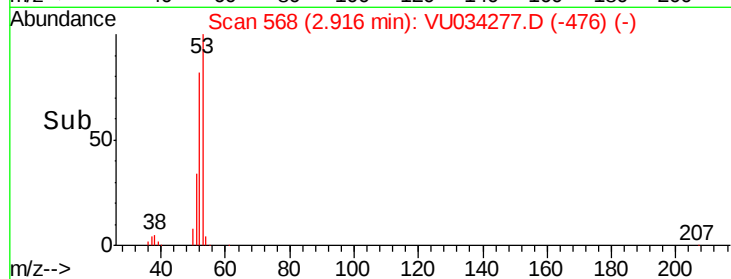
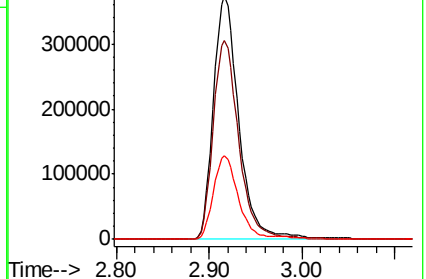
51 34.7 27.4 41.0



Abundance Ion 53.00 (52.70 to 53.70): VU034277.D (-556) (-)

Ion 52.00 (51.70 to 52.70): VU034277.D (-556) (-)

Ion 51.00 (50.70 to 51.70): VU034277.D (-556) (-)



#16

Acetone

Concen: 265.227 ug/l

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034277.D

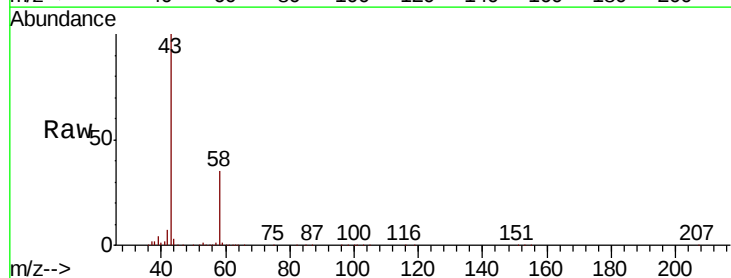
Acq: 05 Sep 2019 11:40

Tgt Ion: 43 Resp: 706950

Ion Ratio Lower Upper

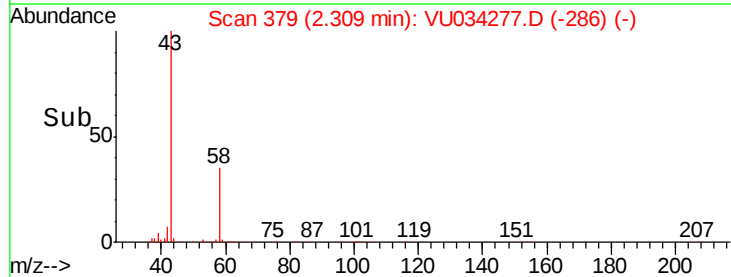
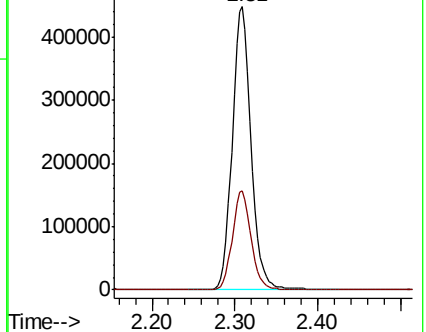
43 100

58 35.0 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VU034277.D (-286) (-)

Ion 58.00 (57.70 to 58.70): VU034277.D (-286) (-)

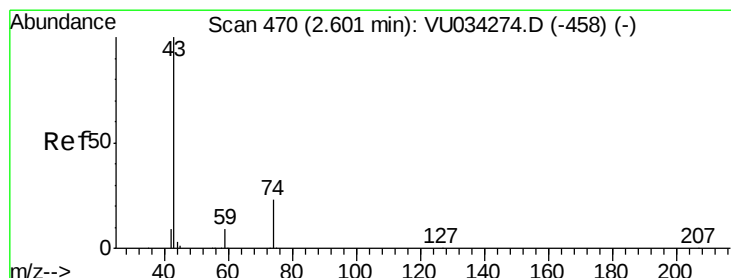
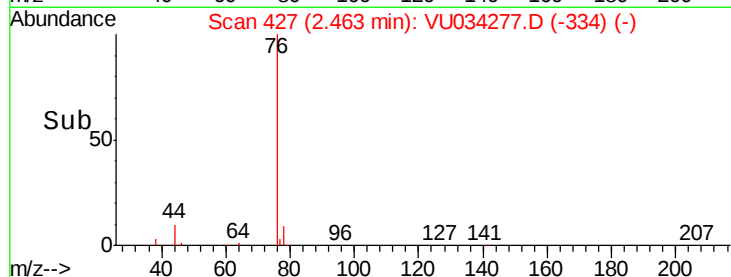
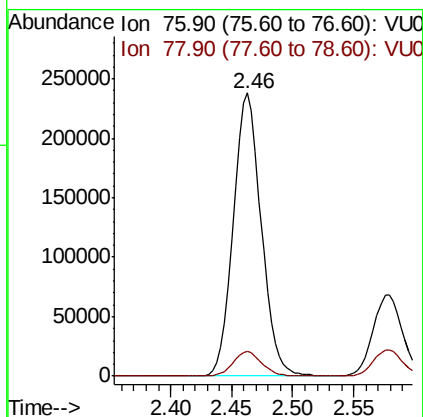
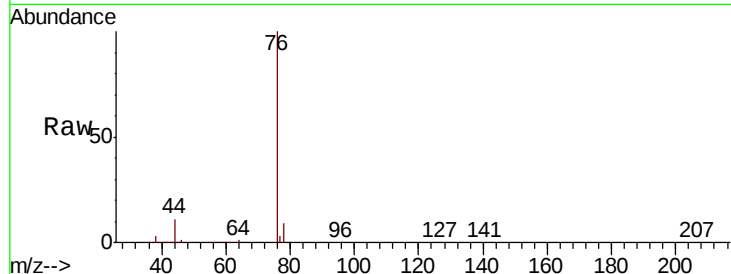




#17
Carbon Disulfide
Concen: 45.553 ug/l
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VU034277.D
Acq: 05 Sep 2019 11:40

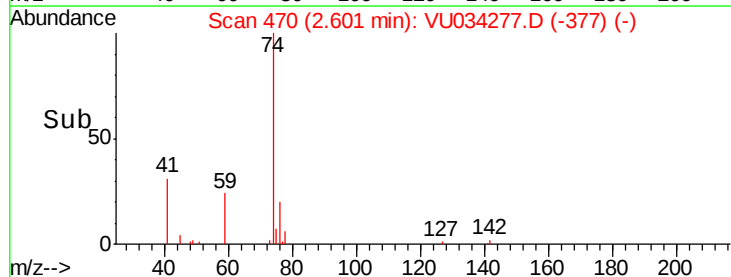
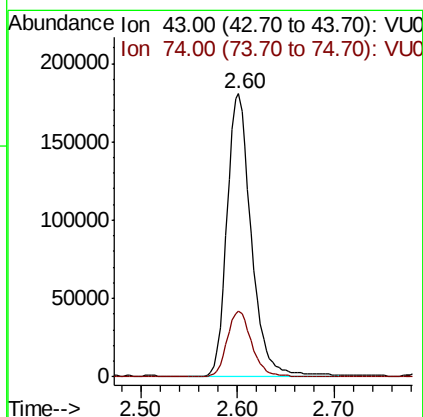
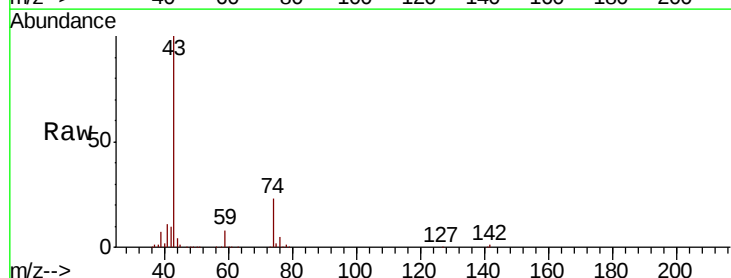
Instrument :
MSVOA_U
ClientSampleId :
ICVVU090619

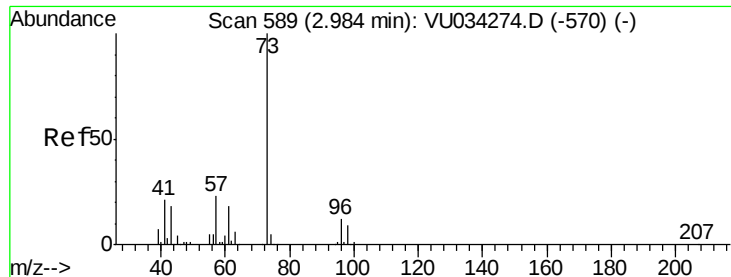
Tgt Ion: 76 Resp: 379198
Ion Ratio Lower Upper
76 100
78 8.7 7.2 10.8



#18
Methyl Acetate
Concen: 48.417 ug/l
RT: 2.60 min Scan# 470
Delta R.T. 0.00 min
Lab File: VU034277.D
Acq: 05 Sep 2019 11:40

Tgt Ion: 43 Resp: 314019
Ion Ratio Lower Upper
43 100
74 23.9 18.9 28.3



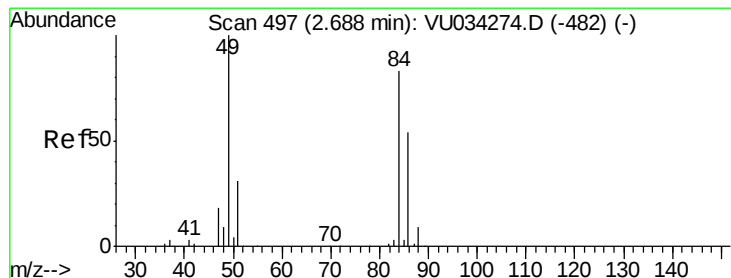
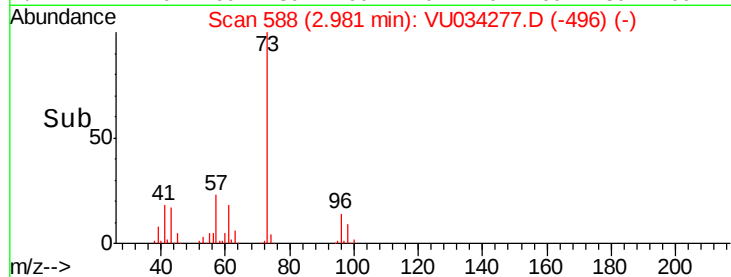
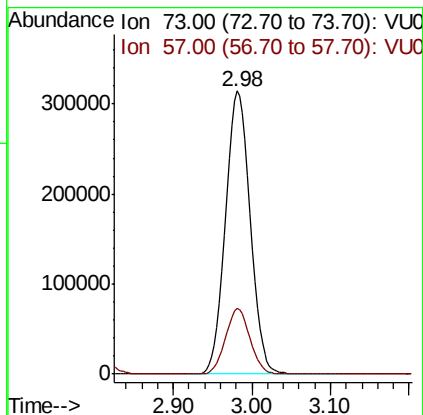
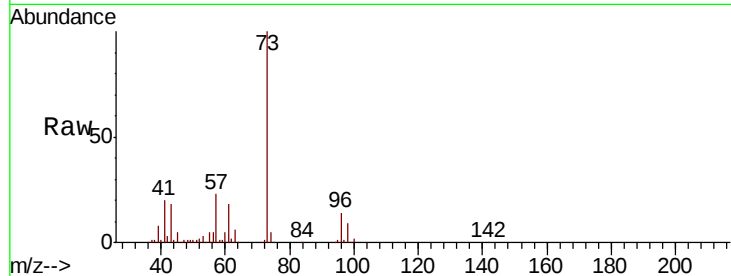


#19

Methyl tert-butyl Ether
 Concen: 50.503 ug/l
 RT: 2.98 min Scan# 588
 Delta R.T. -0.00 min
 Lab File: VU034277.D
 Acq: 05 Sep 2019 11:40

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU090619

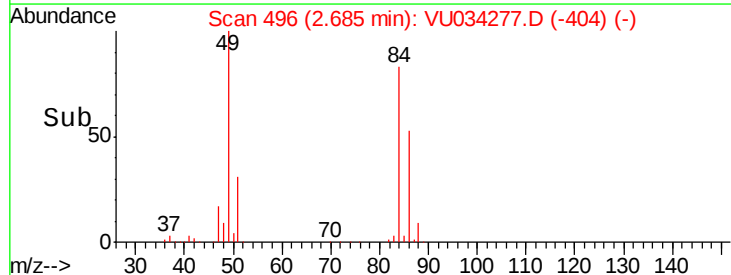
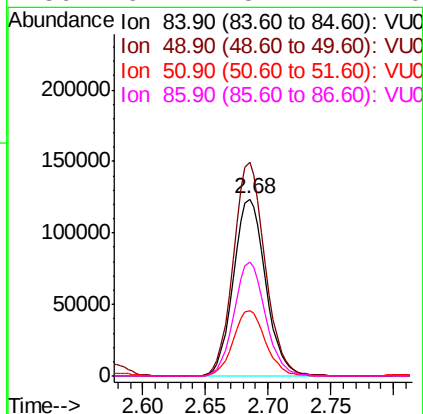
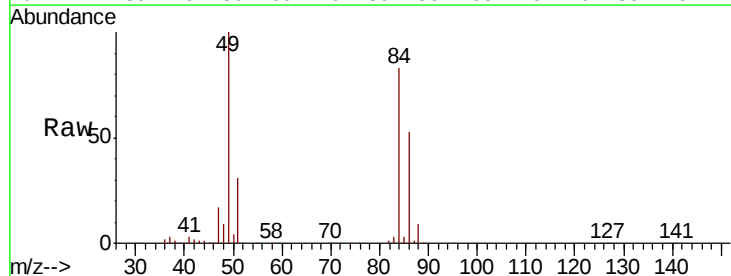
Tgt Ion: 73 Resp: 681794
 Ion Ratio Lower Upper
 73 100
 57 23.2 18.2 27.4

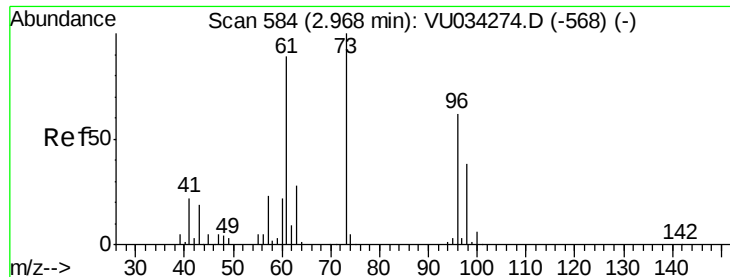


#20

Methylene Chloride
 Concen: 50.590 ug/l
 RT: 2.68 min Scan# 496
 Delta R.T. -0.00 min
 Lab File: VU034277.D
 Acq: 05 Sep 2019 11:40

Tgt Ion: 84 Resp: 220846
 Ion Ratio Lower Upper
 84 100
 49 120.7 96.0 144.0
 51 36.9 30.0 45.0
 86 64.4 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 47.485 ug/l

RT: 2.96 min Scan# 583

Delta R.T. -0.00 min

Lab File: VU034277.D

Acq: 05 Sep 2019 11:40

Instrument :

MSVOA_U

ClientSampleId :

ICVVU090619

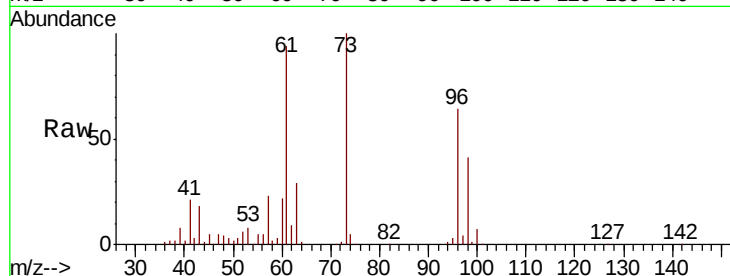
Tgt Ion: 96 Resp: 185337

Ion Ratio Lower Upper

96 100

61 146.5 114.8 172.2

98 64.9 49.8 74.8

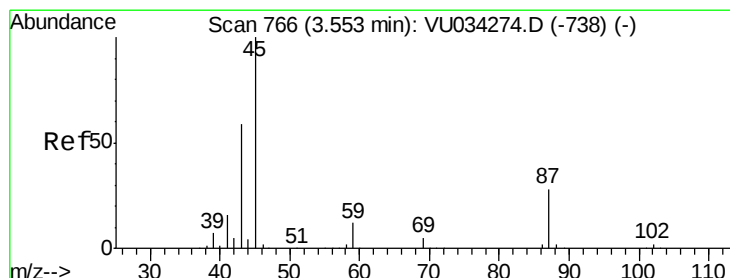
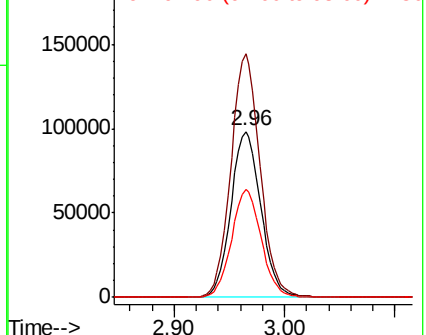
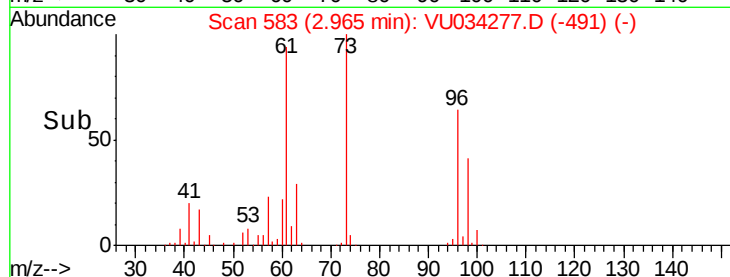


Abundance

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: 50.070 ug/l

RT: 3.55 min Scan# 765

Delta R.T. -0.00 min

Lab File: VU034277.D

Acq: 05 Sep 2019 11:40

Tgt Ion: 45 Resp: 691418

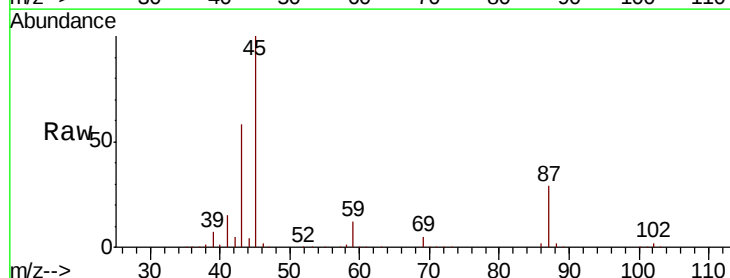
Ion Ratio Lower Upper

45 100

43 57.6 47.5 71.3

87 28.6 22.2 33.4

59 12.2 9.4 14.2



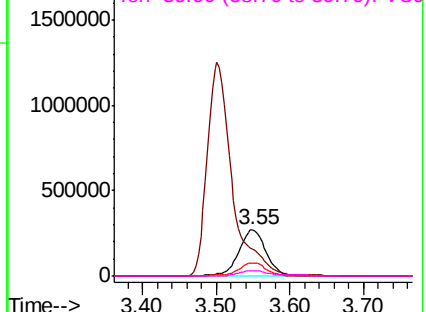
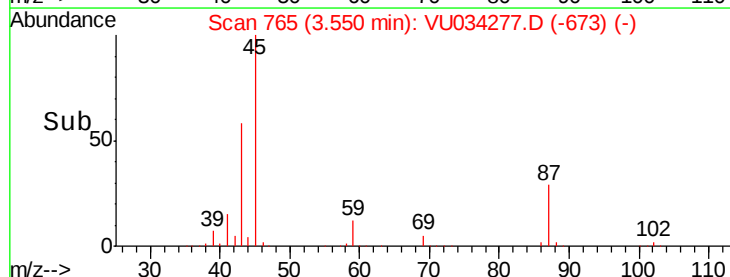
Abundance

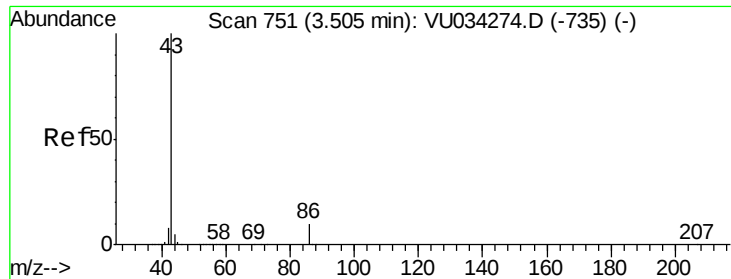
Ion 45.00 (44.70 to 45.70): VU0

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: 263.996 ug/l

RT: 3.50 min Scan# 750

Delta R.T. -0.00 min

Lab File: VU034277.D

Acq: 05 Sep 2019 11:40

Instrument :

MSVOA_U

ClientSampleId :

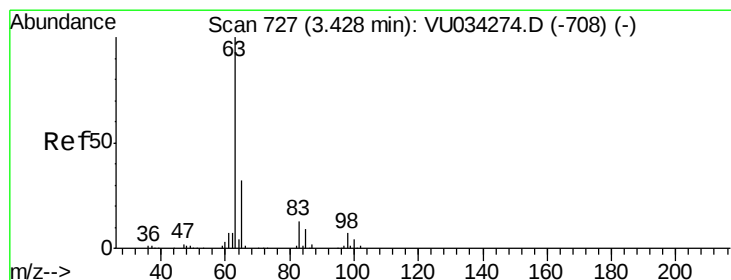
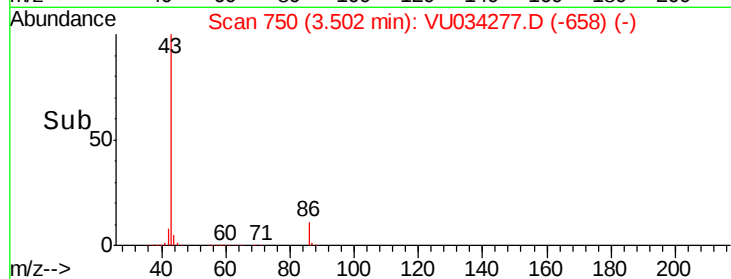
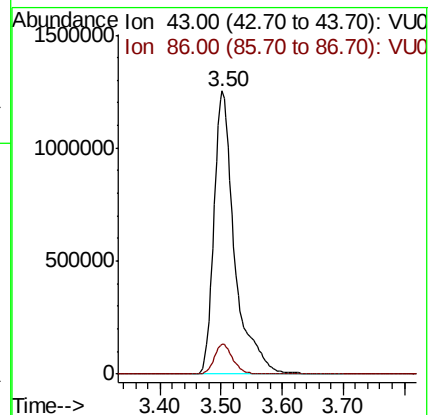
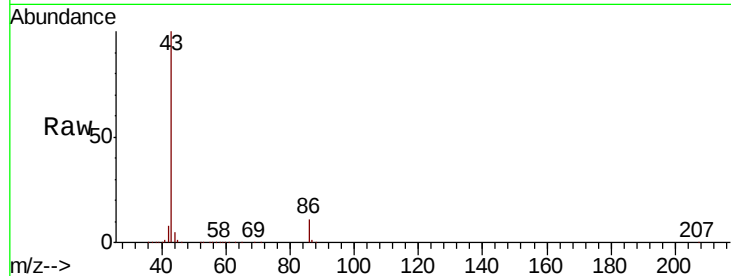
ICVVU090619

Tgt Ion: 43 Resp: 2969488

Ion Ratio Lower Upper

43 100

86 10.7 8.3 12.5



#24

1,1-Dichloroethane

Concen: 46.422 ug/l

RT: 3.42 min Scan# 726

Delta R.T. -0.00 min

Lab File: VU034277.D

Acq: 05 Sep 2019 11:40

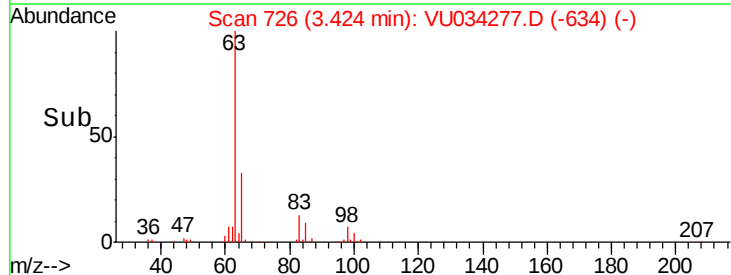
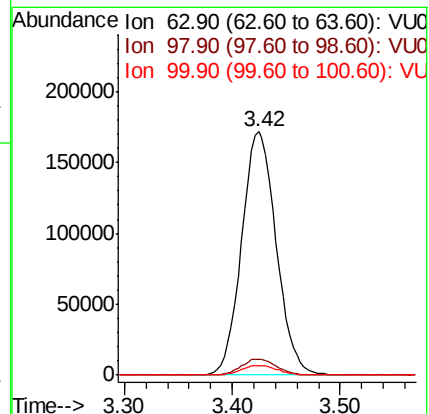
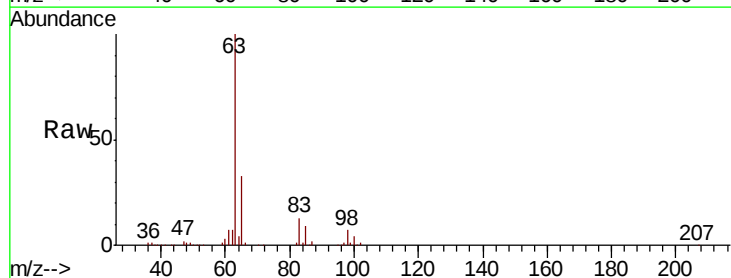
Tgt Ion: 63 Resp: 382822

Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.4

100 4.0 2.1 6.5





#25

2-Butanone

Concen: 280.360 ug/l

RT: 4.23 min Scan# 978

Delta R.T. -0.00 min

Lab File: VU034277.D

Acq: 05 Sep 2019 11:40

Instrument :

MSVOA_U

ClientSampleId :

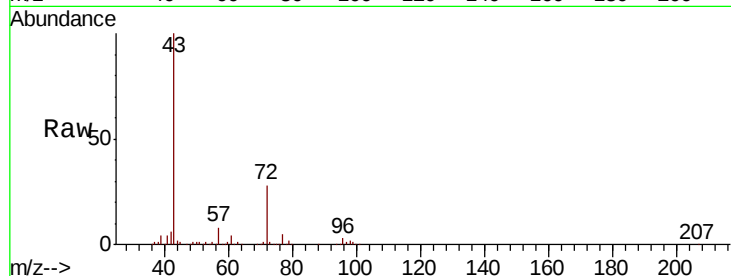
ICVVU090619

Tgt Ion: 43 Resp: 997530

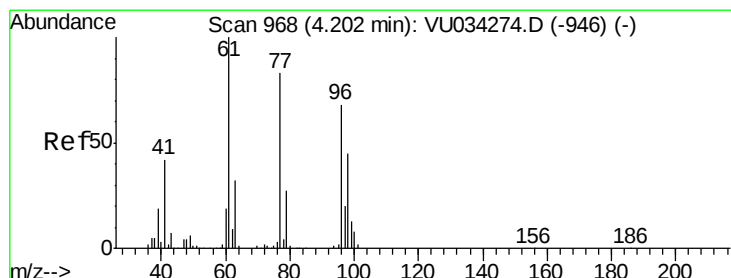
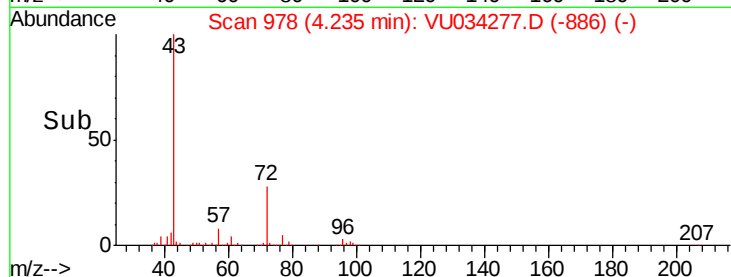
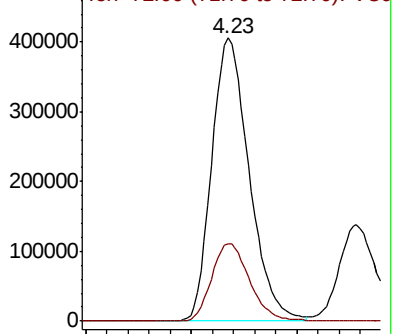
Ion Ratio Lower Upper

43 100

72 27.5 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VU034277.D (-886) (-)



#26

2,2-Dichloropropane

Concen: 48.253 ug/l

RT: 4.20 min Scan# 967

Delta R.T. -0.00 min

Lab File: VU034277.D

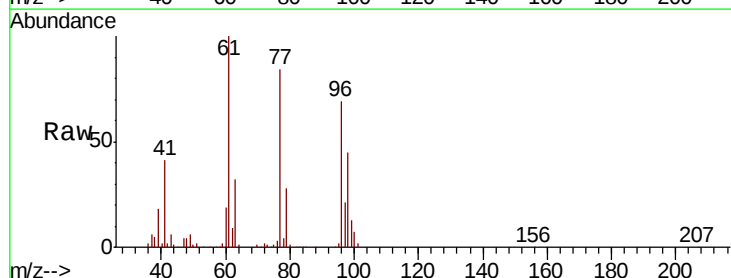
Acq: 05 Sep 2019 11:40

Tgt Ion: 77 Resp: 320038

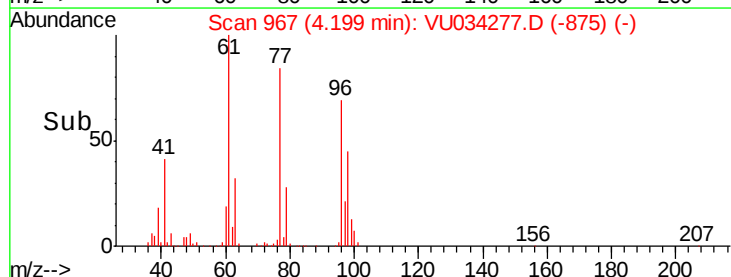
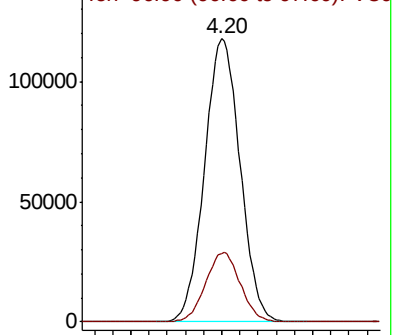
Ion Ratio Lower Upper

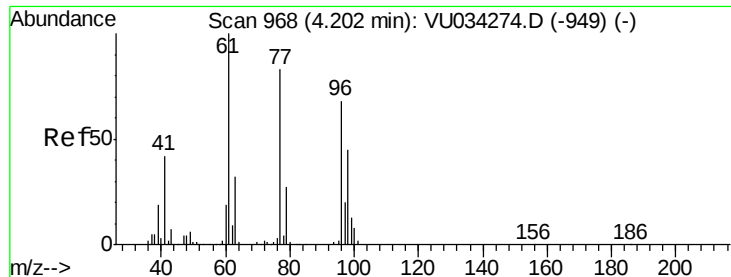
77 100

97 24.0 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VU034277.D (-875) (-)



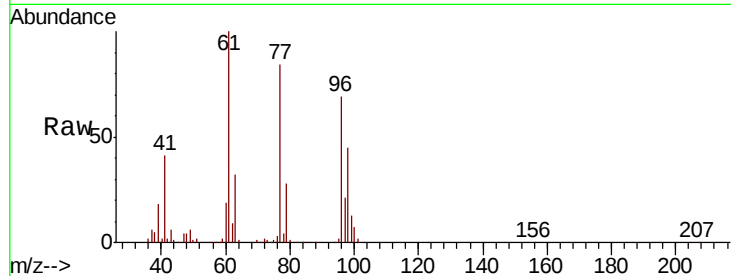


#27

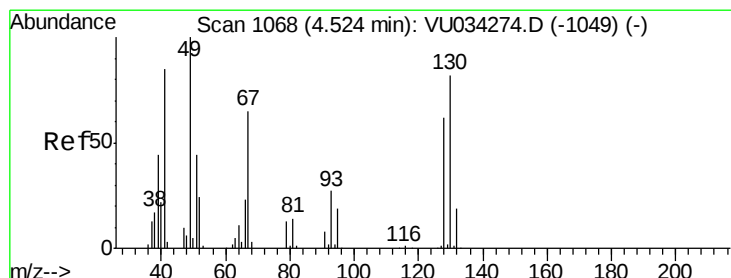
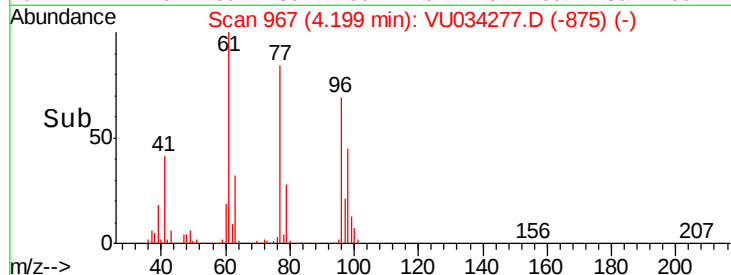
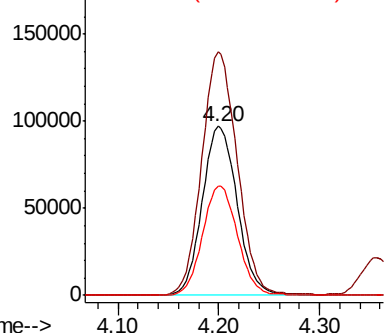
cis-1,2-Dichloroethene
Concen: 49.262 ug/l
RT: 4.20 min Scan# 967
Delta R.T. -0.00 min
Lab File: VU034277.D
Acq: 05 Sep 2019 11:40

Instrument :
MSVOA_U
ClientSampleId :
ICVVU090619

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.4	0.0	297.4
98	64.8	0.0	130.0



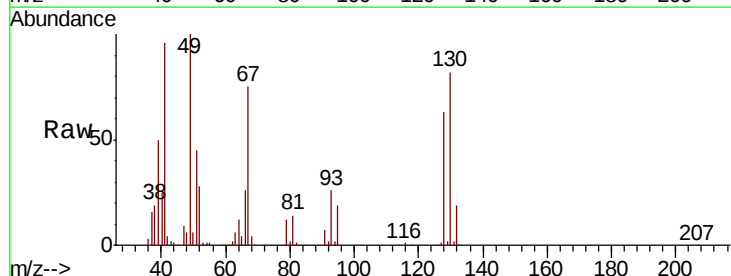
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



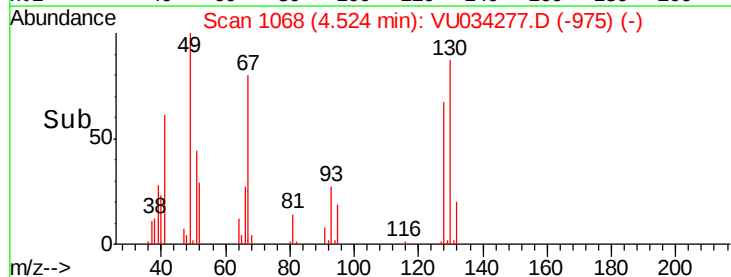
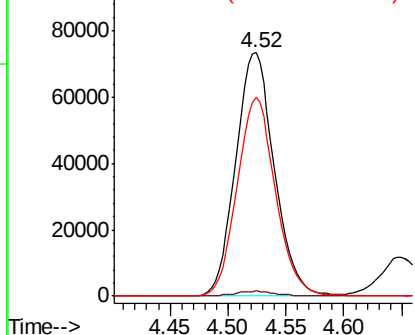
#28

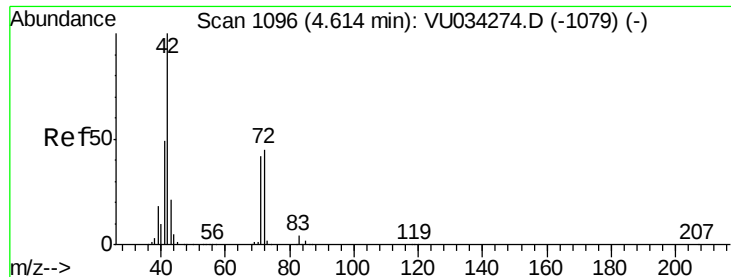
Bromochloromethane
Concen: 44.857 ug/l
RT: 4.52 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VU034277.D
Acq: 05 Sep 2019 11:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	81.2	65.2	97.8



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

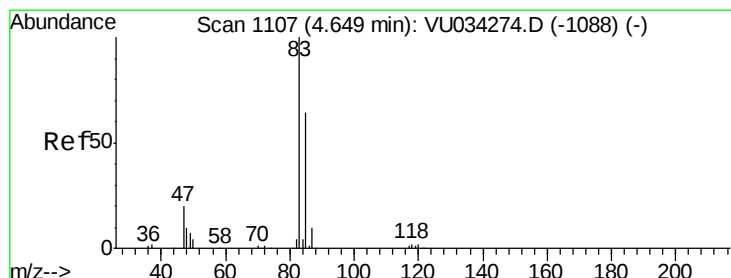
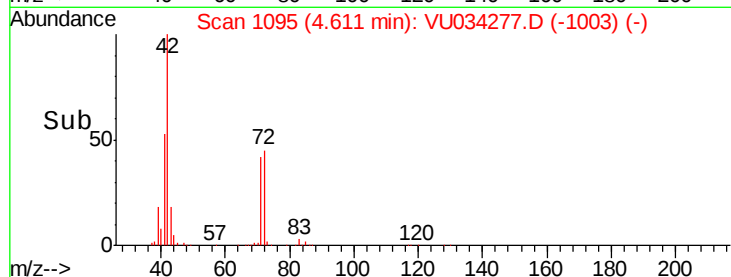
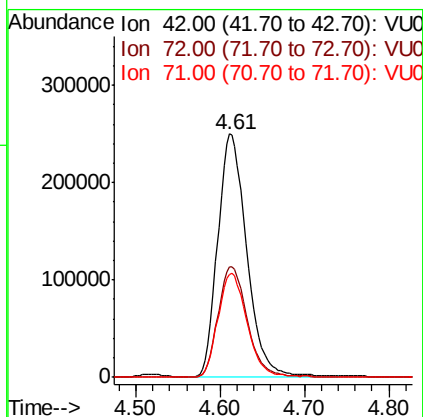
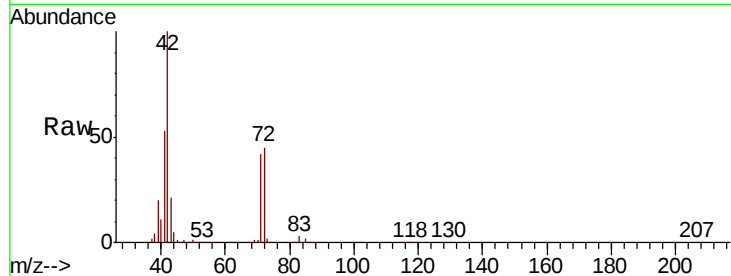




#29
Tetrahydrofuran
Concen: 274.660 ug/l
RT: 4.61 min Scan# 1095
Delta R.T. -0.00 min
Lab File: VU034277.D
Acq: 05 Sep 2019 11:40

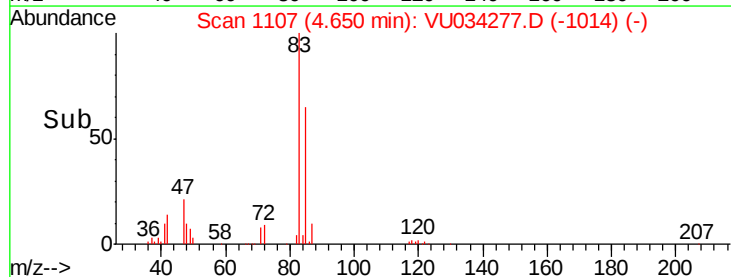
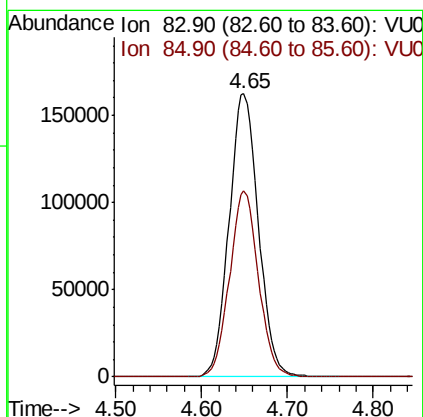
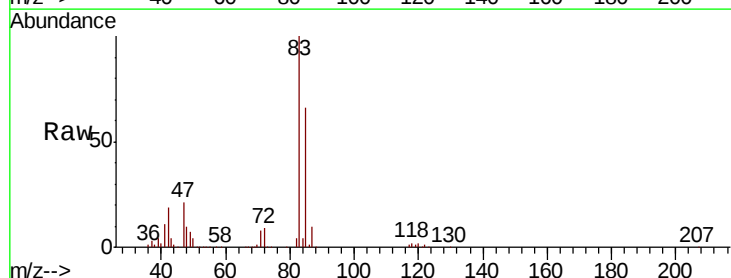
Instrument :
MSVOA_U
ClientSampleId :
ICVVU090619

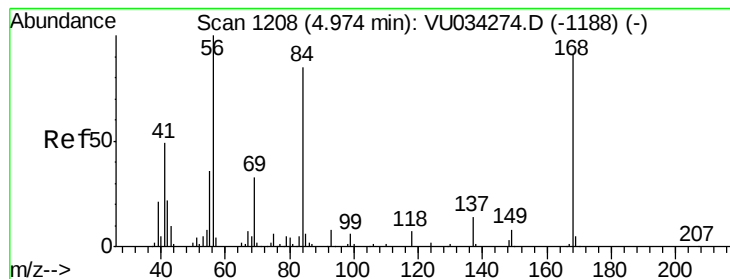
Tgt Ion: 42 Resp: 594662
Ion Ratio Lower Upper
42 100
72 46.2 36.6 54.8
71 43.0 34.3 51.5



#30
Chloroform
Concen: 45.951 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034277.D
Acq: 05 Sep 2019 11:40

Tgt Ion: 83 Resp: 385181
Ion Ratio Lower Upper
83 100
85 65.5 51.5 77.3





#31

Cyclohexane

Concen: 47.441 ug/l

RT: 4.97 min Scan# 1207

Delta R.T. -0.00 min

Lab File: VU034277.D

Acq: 05 Sep 2019 11:40

Instrument :

MSVOA_U

ClientSampleId :

ICVVU090619

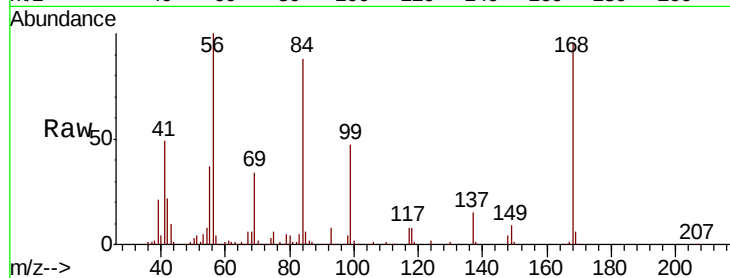
Tgt Ion: 56 Resp: 286213

Ion Ratio Lower Upper

56 100

69 34.4 26.7 40.1

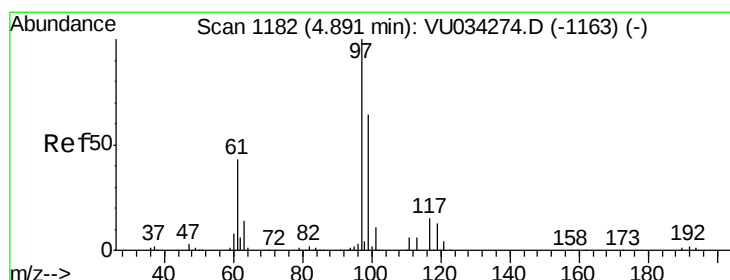
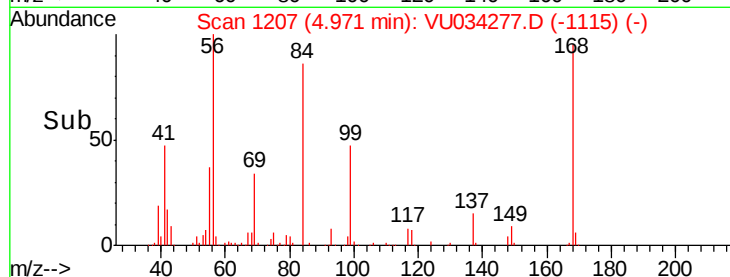
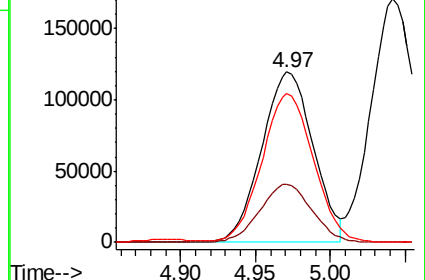
84 86.8 68.2 102.4



Abundance Ion 56.00 (55.70 to 56.70): VU034277.D (-1188) (-)

Ion 69.00 (68.70 to 69.70): VU034277.D (-1188) (-)

Ion 84.00 (83.70 to 84.70): VU034277.D (-1188) (-)



#32

1,1,1-Trichloroethane

Concen: 47.016 ug/l

RT: 4.89 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU034277.D

Acq: 05 Sep 2019 11:40

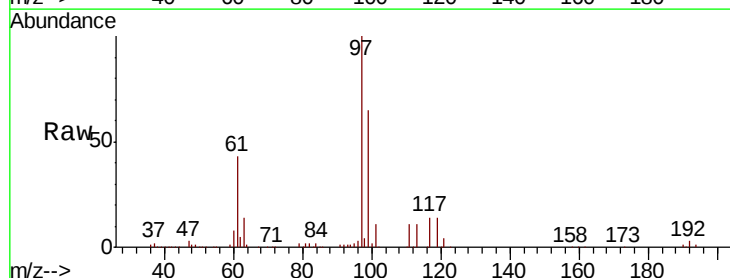
Tgt Ion: 97 Resp: 315094

Ion Ratio Lower Upper

97 100

99 64.3 50.9 76.3

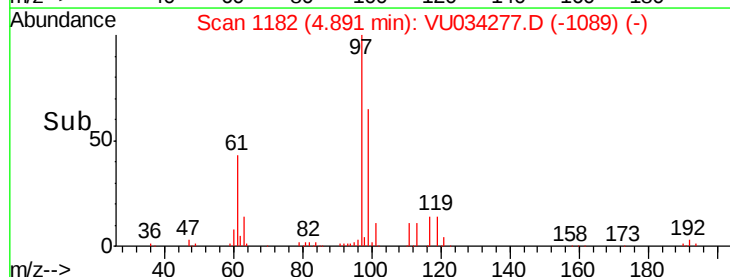
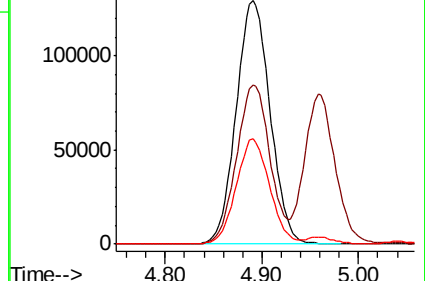
61 42.6 34.7 52.1

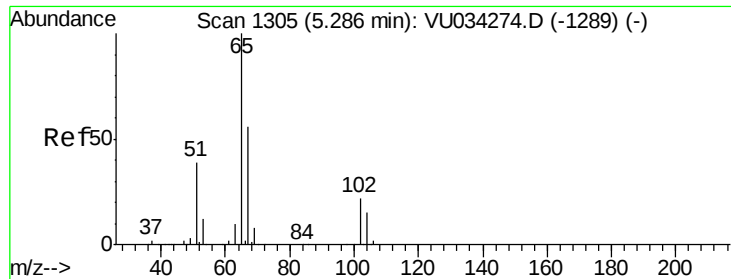


Abundance Ion 96.90 (96.60 to 97.60): VU034277.D (-1089) (-)

Ion 98.90 (98.60 to 99.60): VU034277.D (-1089) (-)

Ion 60.90 (60.60 to 61.60): VU034277.D (-1089) (-)

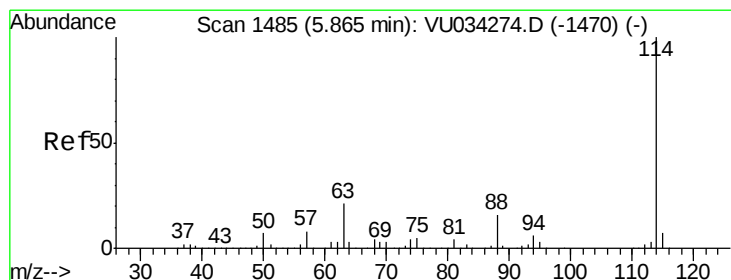
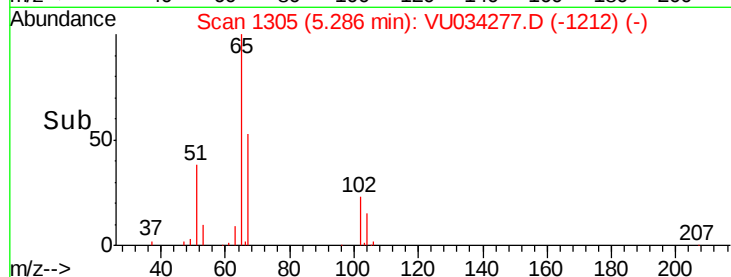
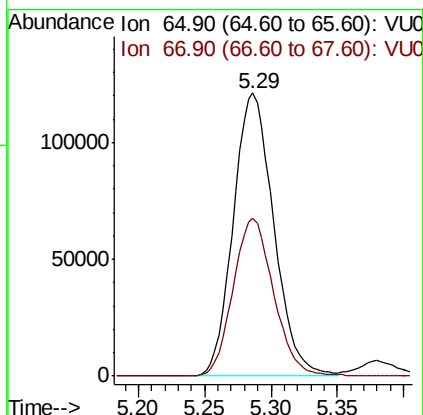
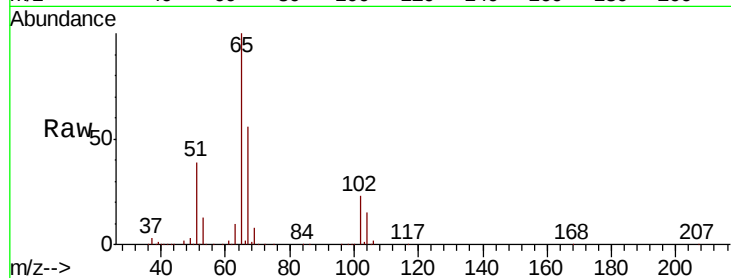




#33
 1,2-Dichloroethane-d4
 Concen: 49.962 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: VU034277.D
 Acq: 05 Sep 2019 11:40

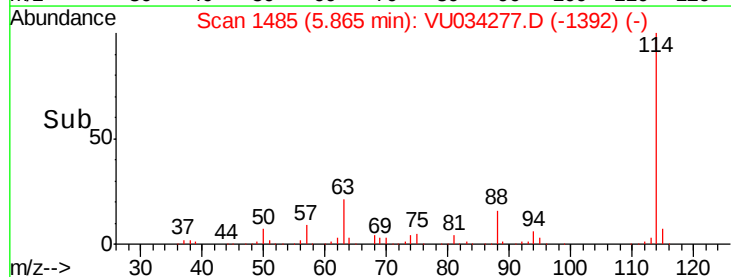
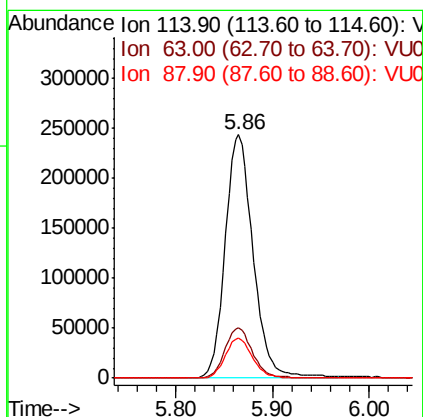
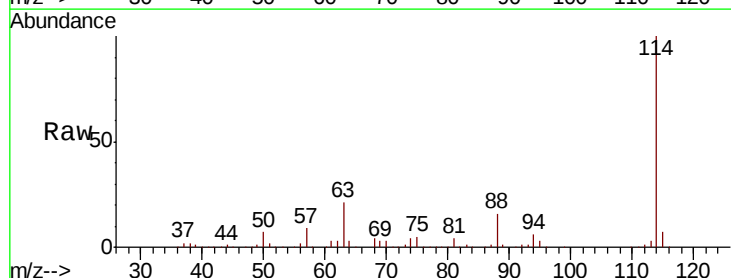
Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU090619

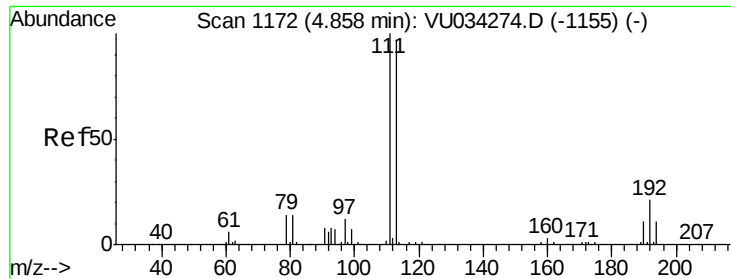
Tgt Ion: 65 Resp: 257339
 Ion Ratio Lower Upper
 65 100
 67 56.2 0.0 112.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VU034277.D
 Acq: 05 Sep 2019 11:40

Tgt Ion: 114 Resp: 488894
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 42.4
 88 16.4 0.0 32.4

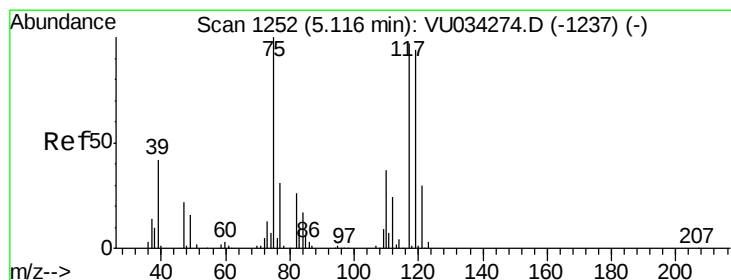
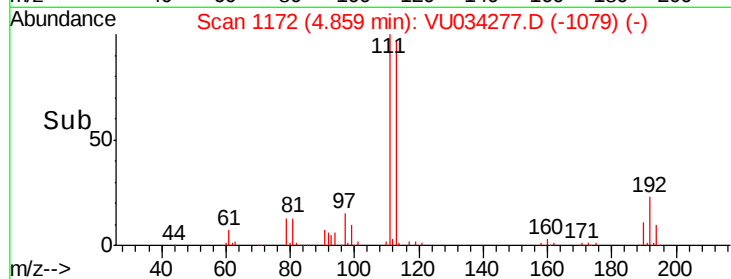
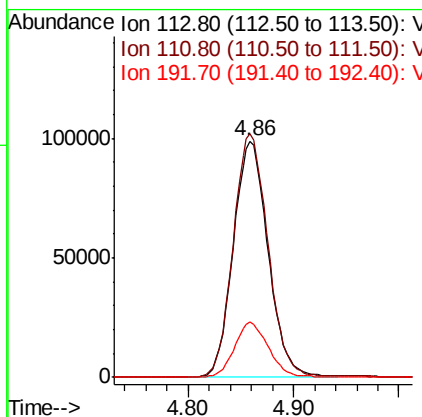
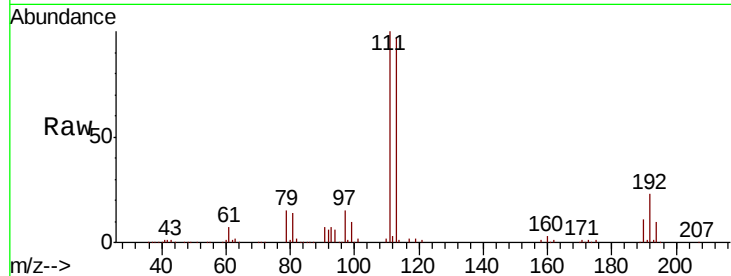




#35
 Dibromofluoromethane
 Concen: 49.786 ug/l
 RT: 4.86 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VU034277.D
 Acq: 05 Sep 2019 11:40

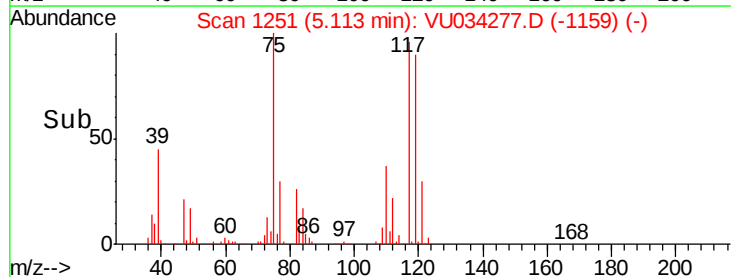
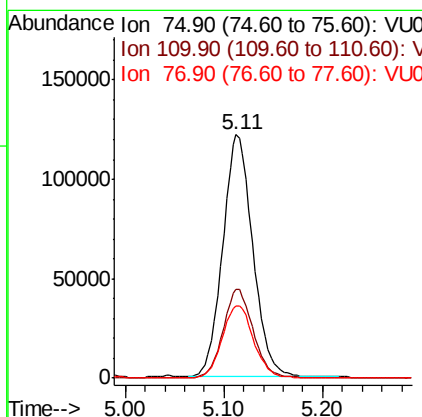
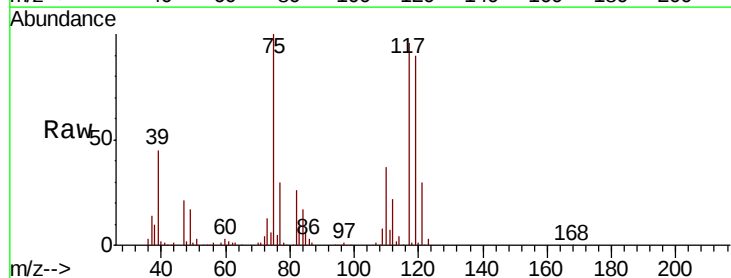
Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU090619

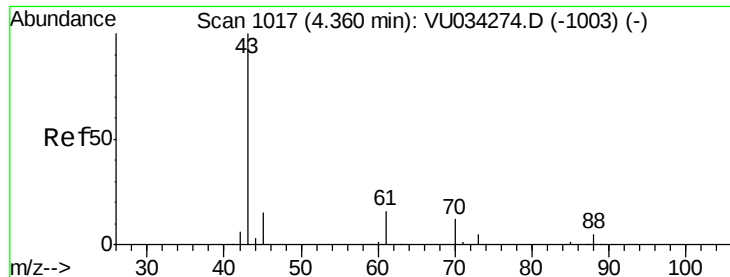
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.5	122.3
192	22.9	17.8	26.8



#36
 1,1-Dichloropropene
 Concen: 49.081 ug/l
 RT: 5.11 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VU034277.D
 Acq: 05 Sep 2019 11:40

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.8	18.3	54.9
77	30.8	24.9	37.3

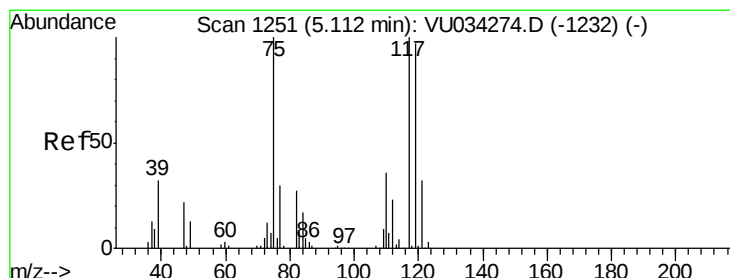
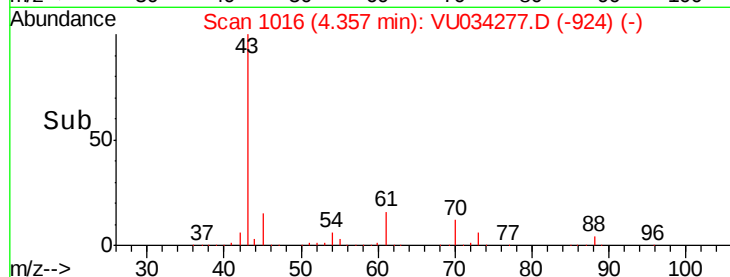
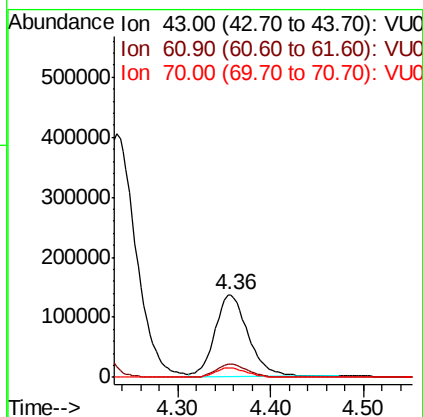
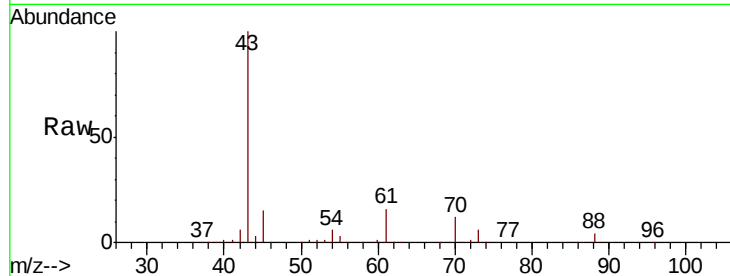




#37
Ethyl Acetate
Concen: 53.955 ug/l
RT: 4.36 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VU034277.D
Acq: 05 Sep 2019 11:40

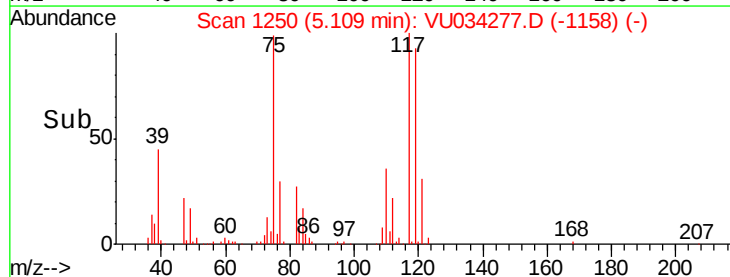
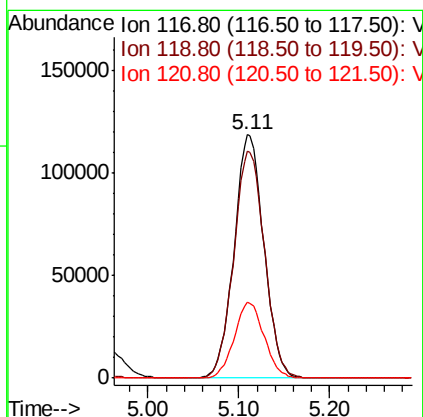
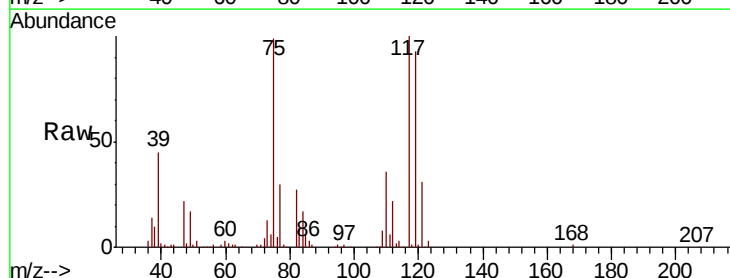
Instrument :
MSVOA_U
ClientSampleId :
ICVVU090619

Tgt Ion: 43 Resp: 338235
Ion Ratio Lower Upper
43 100
61 15.1 12.3 18.5
70 11.2 9.1 13.7



#38
Carbon Tetrachloride
Concen: 47.579 ug/l
RT: 5.11 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VU034277.D
Acq: 05 Sep 2019 11:40

Tgt Ion: 117 Resp: 269352
Ion Ratio Lower Upper
117 100
119 93.1 77.8 116.6
121 31.0 25.2 37.8

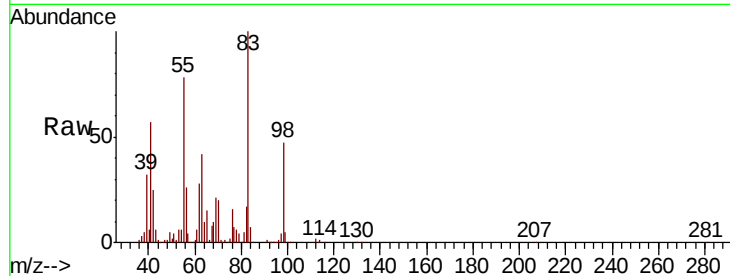




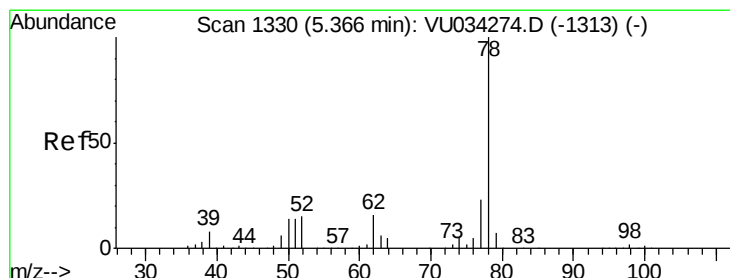
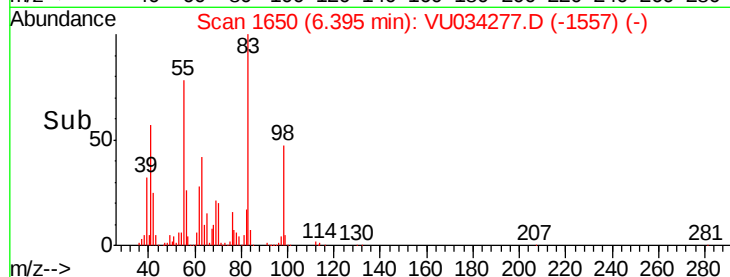
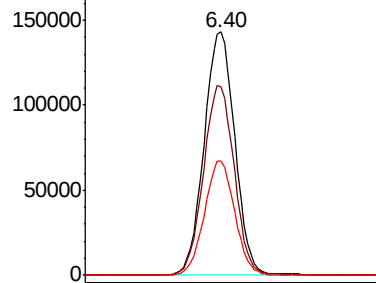
#39
Methylcyclohexane
Concen: 51.126 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034277.D
Acq: 05 Sep 2019 11:40

Instrument :
MSVOA_U
ClientSampleId :
ICVVU090619

Tgt Ion: 83 Resp: 289782
Ion Ratio Lower Upper
83 100
55 77.6 62.1 93.1
98 47.0 37.0 55.6

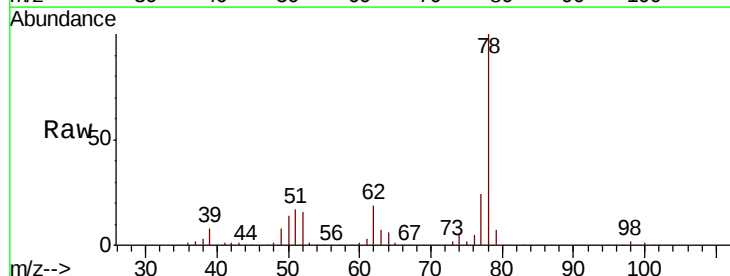


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

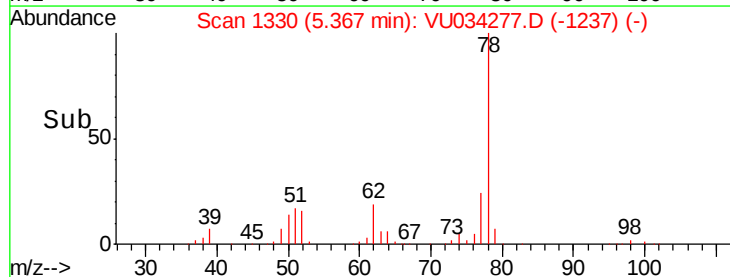
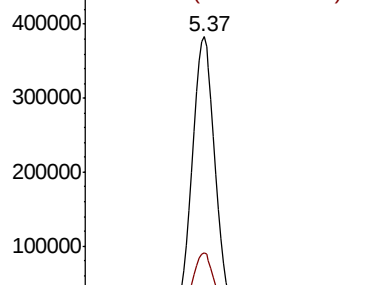


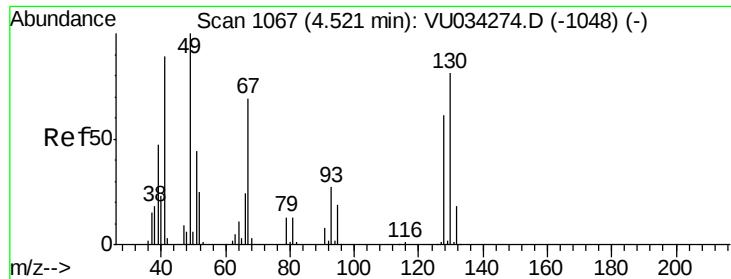
#40
Benzene
Concen: 48.197 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034277.D
Acq: 05 Sep 2019 11:40

Tgt Ion: 78 Resp: 824579
Ion Ratio Lower Upper
78 100
77 23.8 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VU0
Ion 77.00 (76.70 to 77.70): VU0

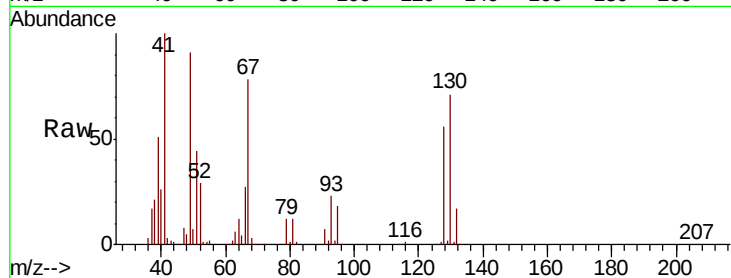




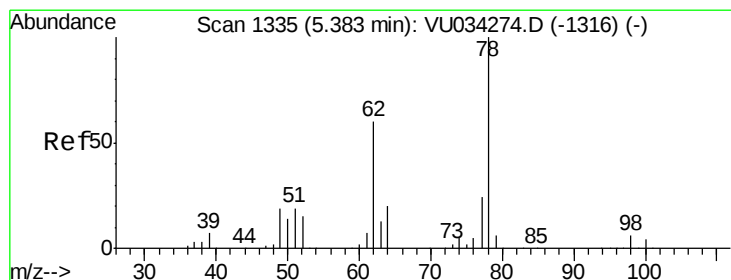
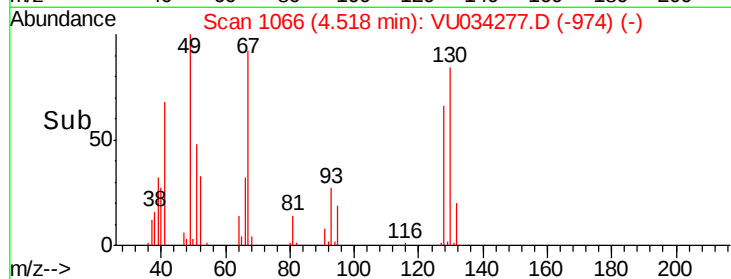
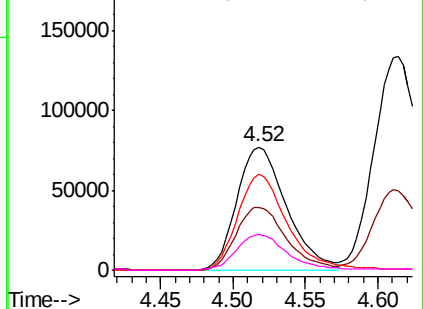
#41
Methacrylonitrile
Concen: 54.868 ug/l
RT: 4.52 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VU034277.D
Acq: 05 Sep 2019 11:40

Instrument :
MSVOA_U
ClientSampleId :
ICVVU090619

Tgt Ion:	41	Resp:	183214
Ion	Ratio	Lower	Upper
41	100		
39	51.4	41.0	61.4
67	78.1	62.4	93.6
52	28.8	23.6	35.4

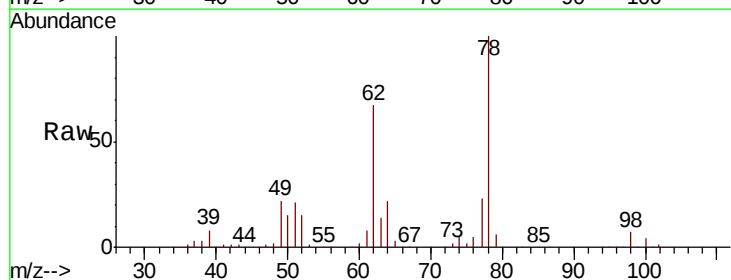


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

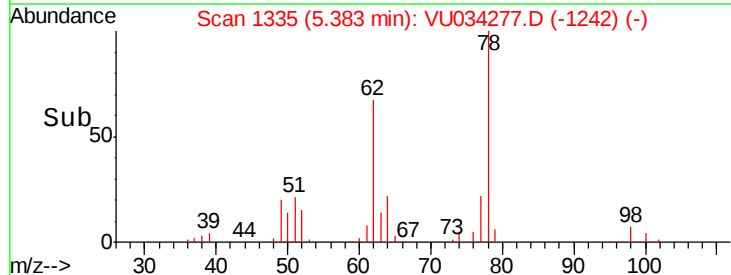
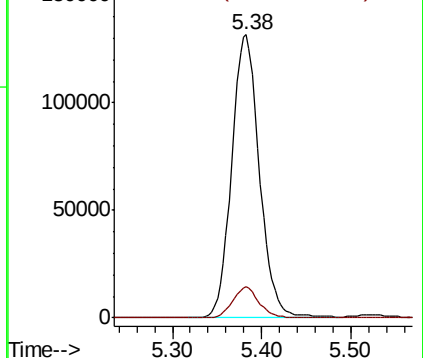


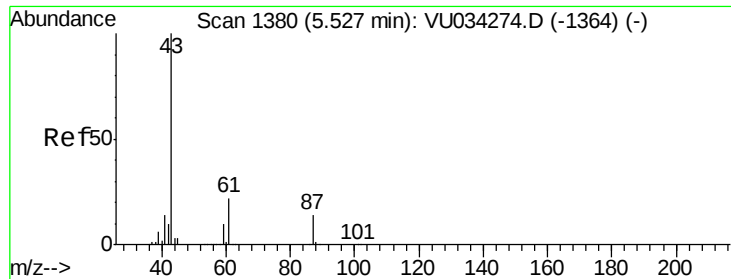
#42
1,2-Dichloroethane
Concen: 47.761 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU034277.D
Acq: 05 Sep 2019 11:40

Tgt Ion:	62	Resp:	283698
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.0



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

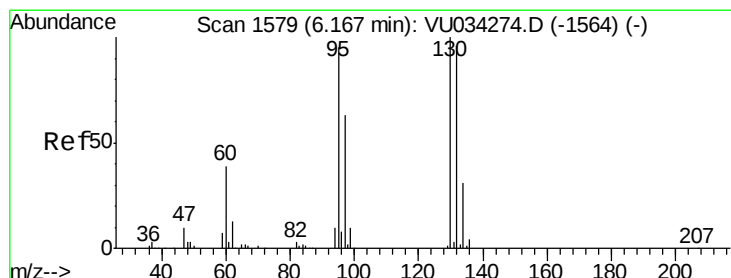
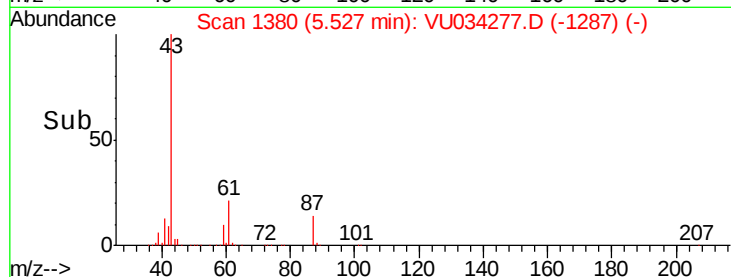
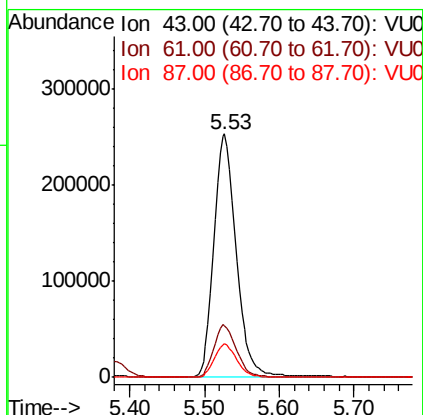
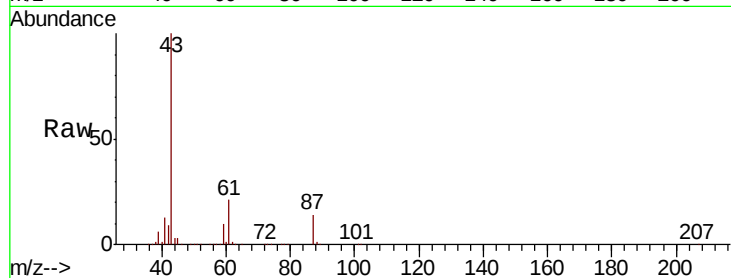




#43
Isopropyl Acetate
Concen: 53.655 ug/l
RT: 5.53 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VU034277.D
Acq: 05 Sep 2019 11:40

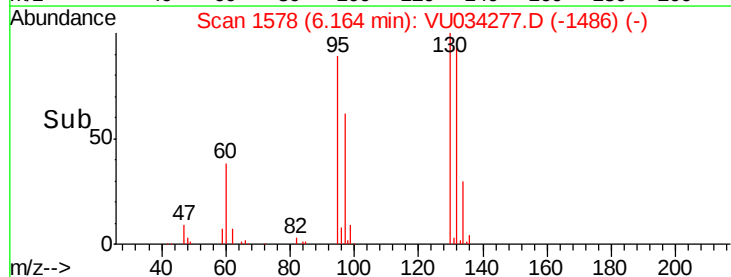
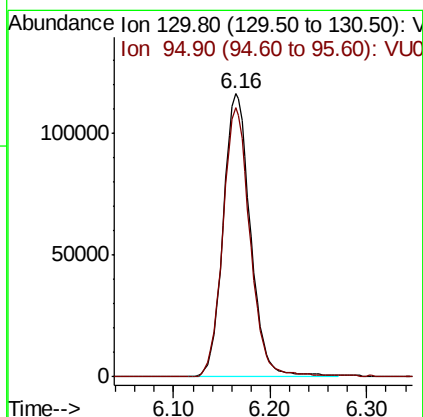
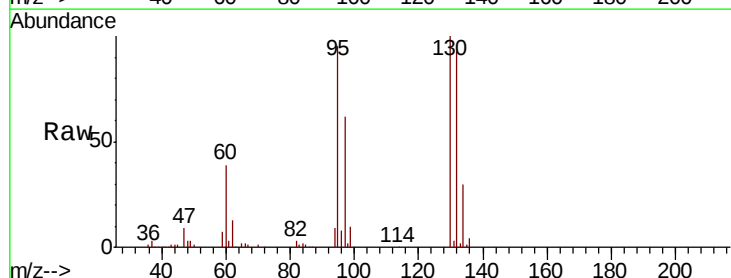
Instrument :
MSVOA_U
ClientSampleId :
ICVVU090619

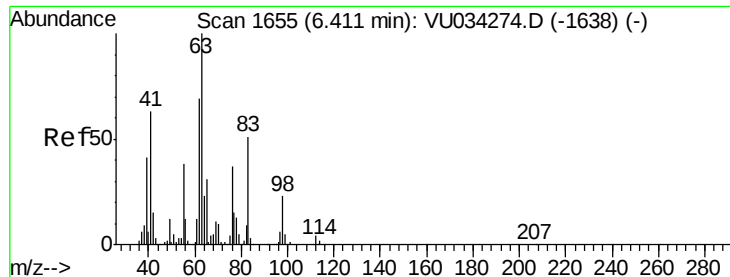
Tgt Ion: 43 Resp: 524703
Ion Ratio Lower Upper
43 100
61 21.7 17.1 25.7
87 13.8 11.1 16.7



#44
Trichloroethene
Concen: 48.145 ug/l
RT: 6.16 min Scan# 1578
Delta R.T. -0.00 min
Lab File: VU034277.D
Acq: 05 Sep 2019 11:40

Tgt Ion: 130 Resp: 227933
Ion Ratio Lower Upper
130 100
95 95.0 0.0 189.2





#45

1,2-Dichloropropane

Concen: 48.182 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU034277.D

Acq: 05 Sep 2019 11:40

Instrument :

MSVOA_U

ClientSampleId :

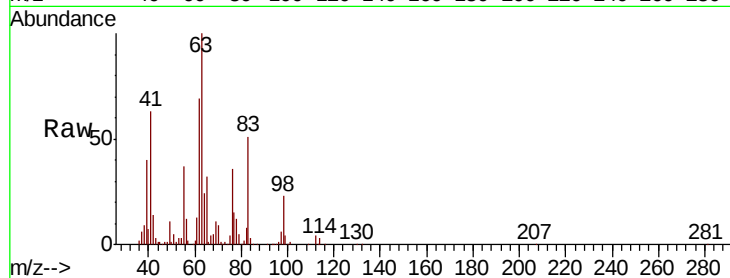
ICVVU090619

Tgt Ion: 63 Resp: 240986

Ion Ratio Lower Upper

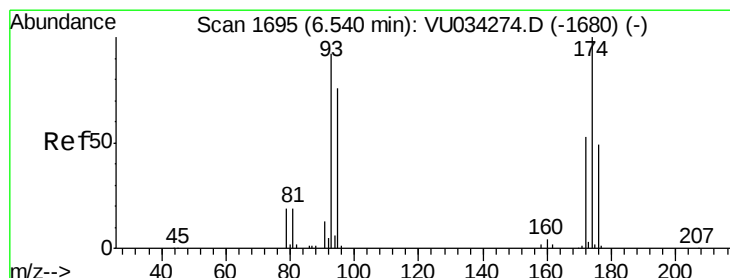
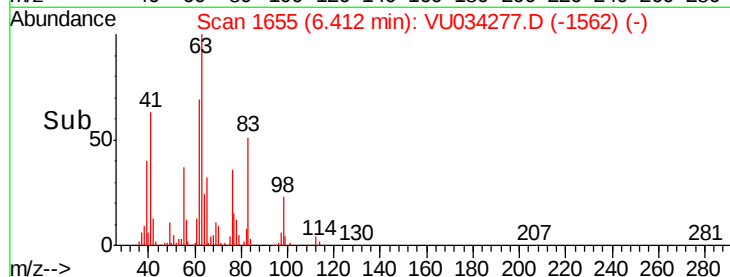
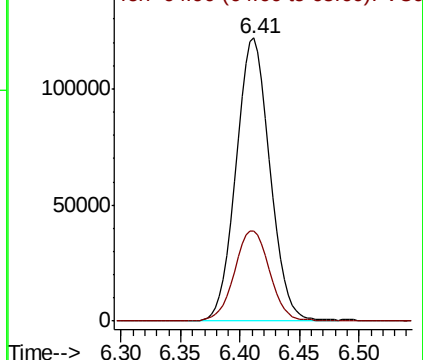
63 100

65 32.0 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VU034277.D (-1652) (-)

Ion 64.90 (64.60 to 65.60): VU034277.D (-1652) (-)



#46

Dibromomethane

Concen: 48.248 ug/l

RT: 6.54 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VU034277.D

Acq: 05 Sep 2019 11:40

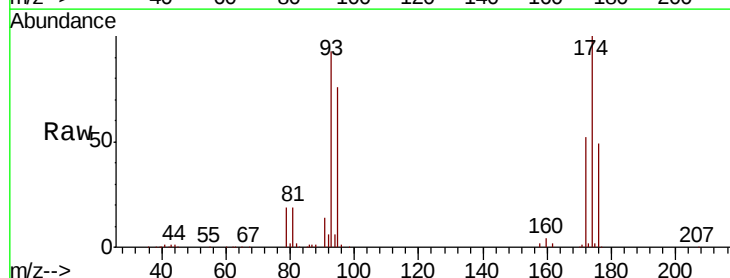
Tgt Ion: 93 Resp: 151476

Ion Ratio Lower Upper

93 100

95 84.3 66.5 99.7

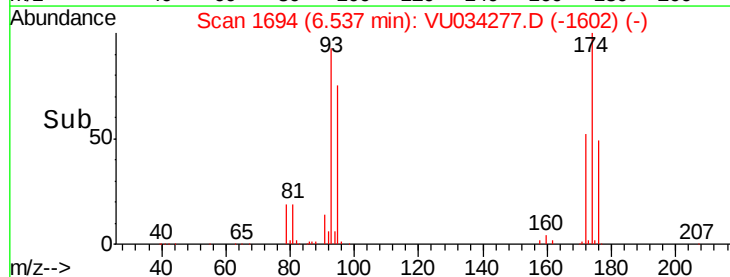
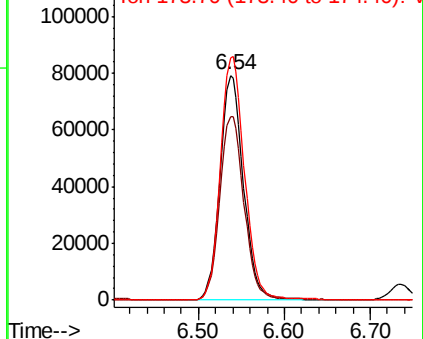
174 110.7 87.8 131.6

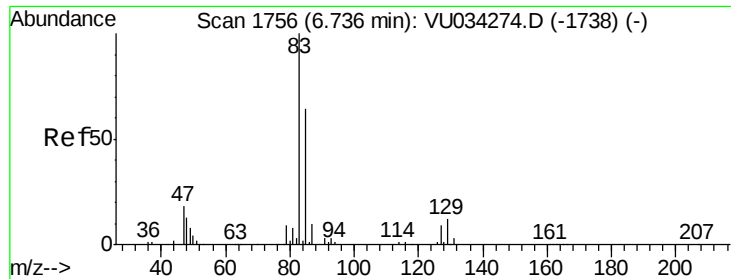


Abundance Ion 92.80 (92.50 to 93.50): VU034277.D (-1602) (-)

Ion 94.80 (94.50 to 95.50): VU034277.D (-1602) (-)

Ion 173.70 (173.40 to 174.40): VU034277.D (-1602) (-)





#47

Bromodichloromethane

Concen: 48.158 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034277.D

Acq: 05 Sep 2019 11:40

Instrument :

MSVOA_U

ClientSampleId :

ICVVU090619

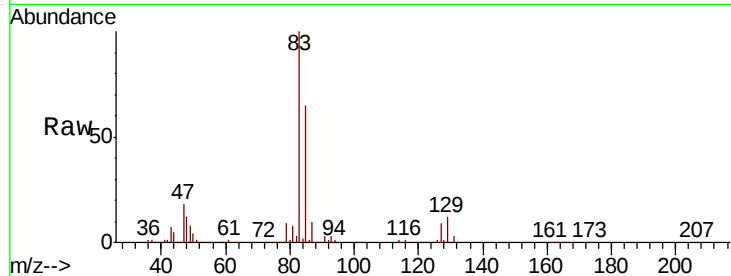
Tgt Ion: 83 Resp: 311213

Ion Ratio Lower Upper

83 100

85 65.1 51.1 76.7

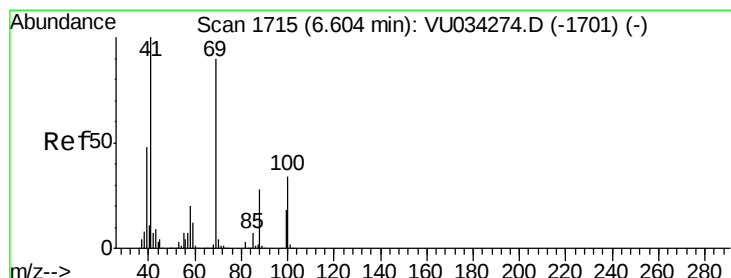
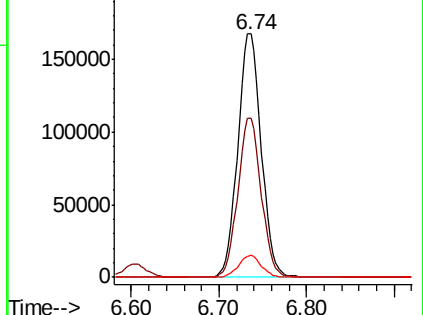
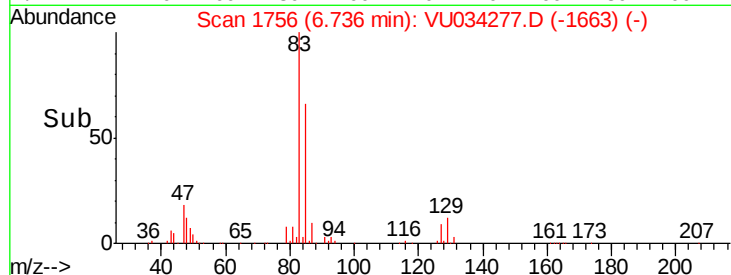
127 9.1 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VU034277.D (-1663) (-)

Ion 84.90 (84.60 to 85.60): VU034277.D (-1663) (-)

Ion 126.80 (126.50 to 127.50): VU034277.D (-1663) (-)



#48

Methyl methacrylate

Concen: 52.994 ug/l

RT: 6.60 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VU034277.D

Acq: 05 Sep 2019 11:40

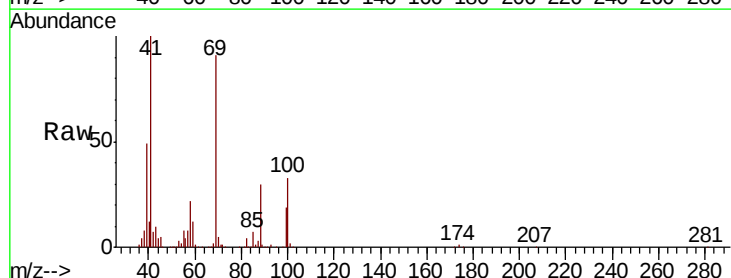
Tgt Ion: 41 Resp: 246141

Ion Ratio Lower Upper

41 100

69 92.5 72.8 109.2

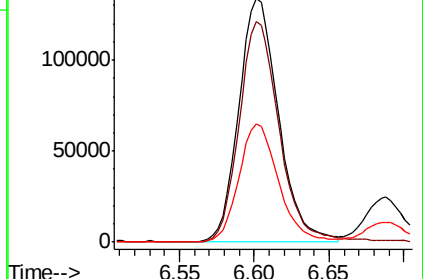
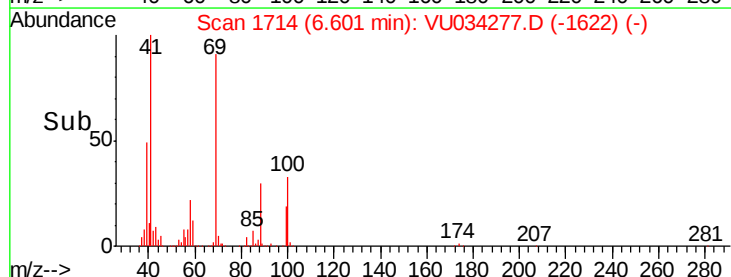
39 48.4 38.6 58.0

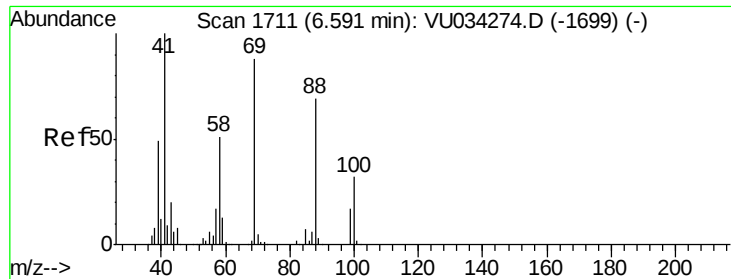


Abundance Ion 41.00 (40.70 to 41.70): VU034277.D (-1622) (-)

Ion 69.00 (68.70 to 69.70): VU034277.D (-1622) (-)

Ion 39.00 (38.70 to 39.70): VU034277.D (-1622) (-)

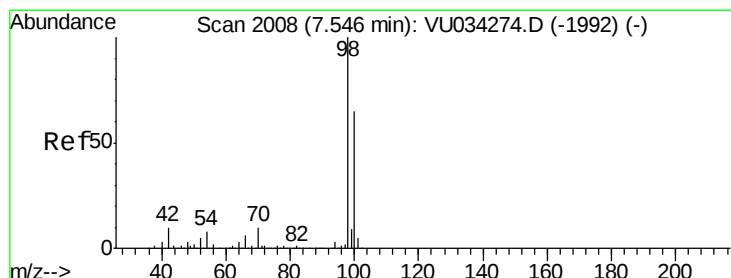
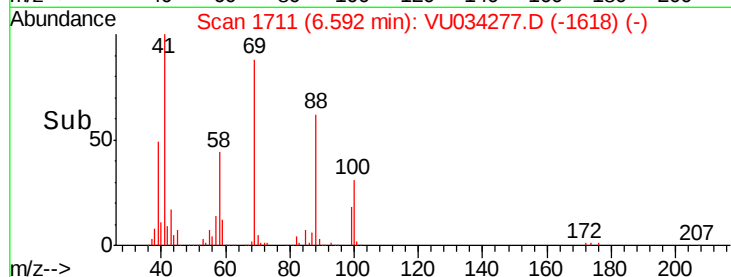
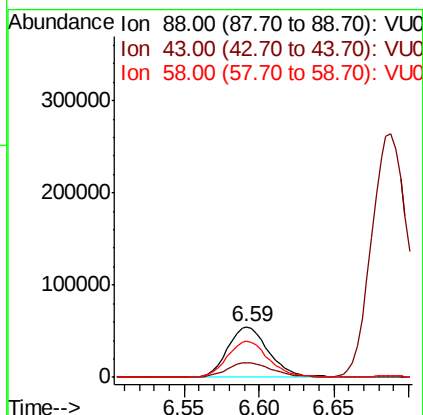
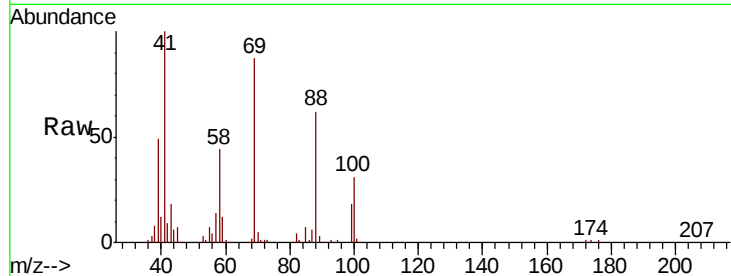




#49
1,4-Dioxane
Concen: 1015.907 ug/l
RT: 6.59 min Scan# 1711
Delta R.T. 0.00 min
Lab File: VU034277.D
Acq: 05 Sep 2019 11:40

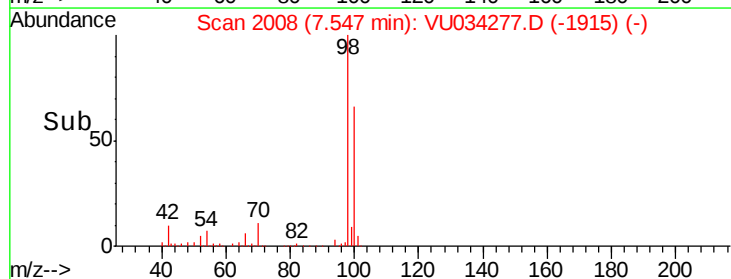
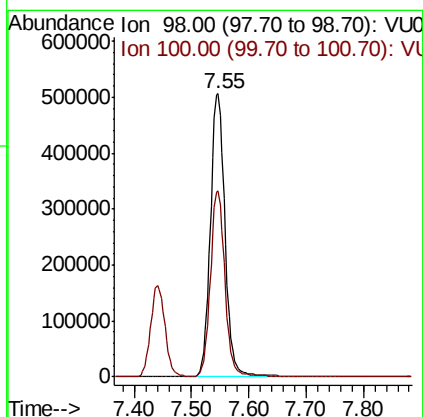
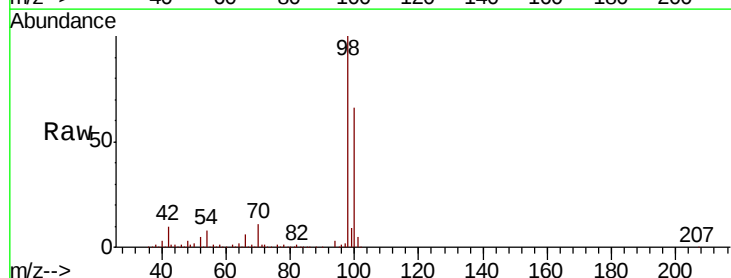
Instrument :
MSVOA_U
ClientSampleId :
ICVVU090619

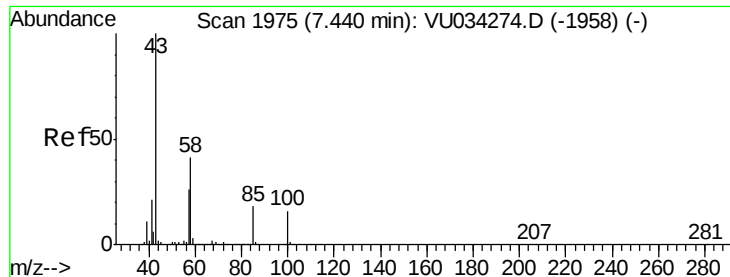
Tgt Ion: 88 Resp: 103038
Ion Ratio Lower Upper
88 100
43 30.4 23.8 35.6
58 73.3 58.4 87.6



#50
Toluene-d8
Concen: 53.021 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU034277.D
Acq: 05 Sep 2019 11:40

Tgt Ion: 98 Resp: 906193
Ion Ratio Lower Upper
98 100
100 64.0 51.7 77.5

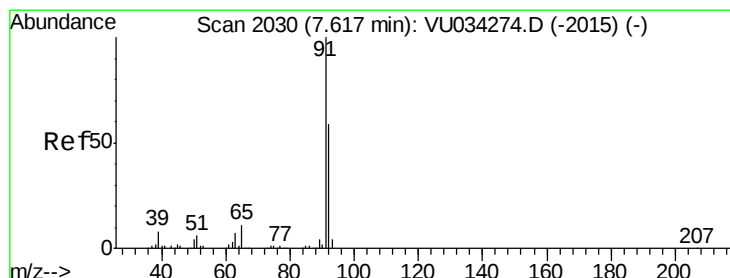
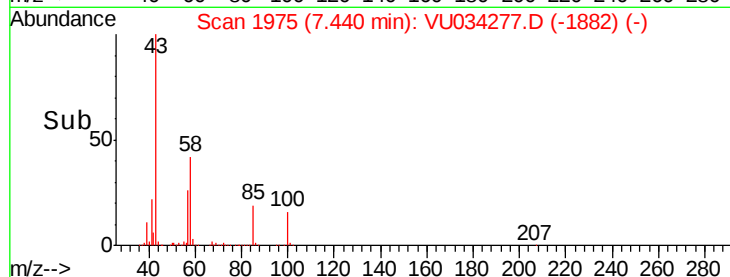
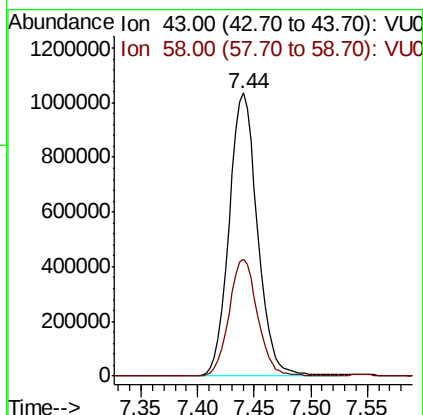
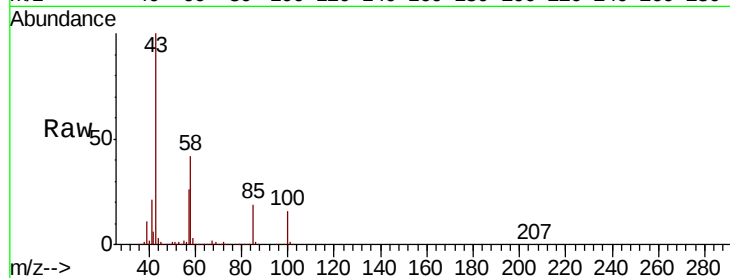




#51
 4-Methyl-2-Pentanone
 Concen: 266.983 ug/l
 RT: 7.44 min Scan# 1975
 Delta R.T. 0.00 min
 Lab File: VU034277.D
 Acq: 05 Sep 2019 11:40

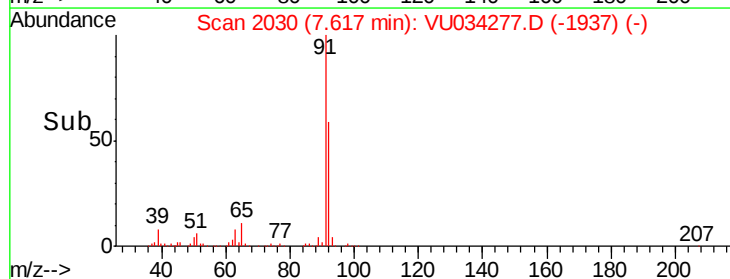
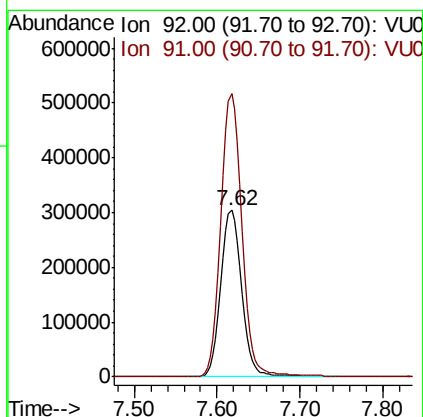
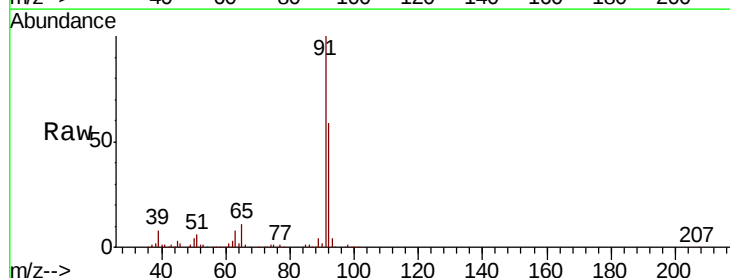
Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU090619

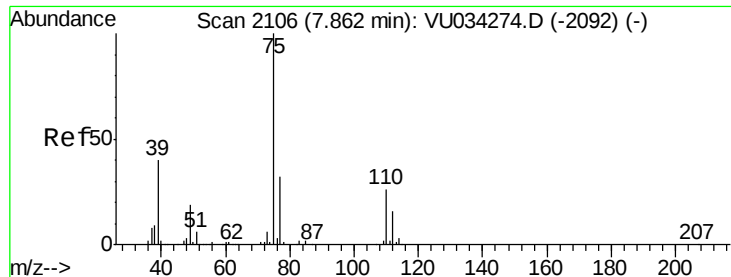
Tgt Ion: 43 Resp: 1807260
 Ion Ratio Lower Upper
 43 100
 58 41.7 33.0 49.4



#52
 Toluene
 Concen: 49.573 ug/l
 RT: 7.62 min Scan# 2030
 Delta R.T. 0.00 min
 Lab File: VU034277.D
 Acq: 05 Sep 2019 11:40

Tgt Ion: 92 Resp: 532032
 Ion Ratio Lower Upper
 92 100
 91 171.6 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 51.501 ug/l

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VU034277.D

Acq: 05 Sep 2019 11:40

Instrument :

MSVOA_U

ClientSampleId :

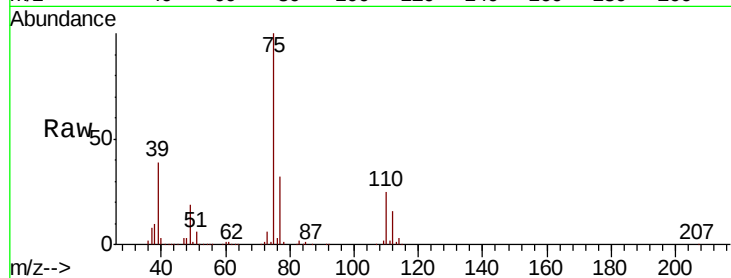
ICVVU090619

Tgt Ion: 75 Resp: 345011

Ion Ratio Lower Upper

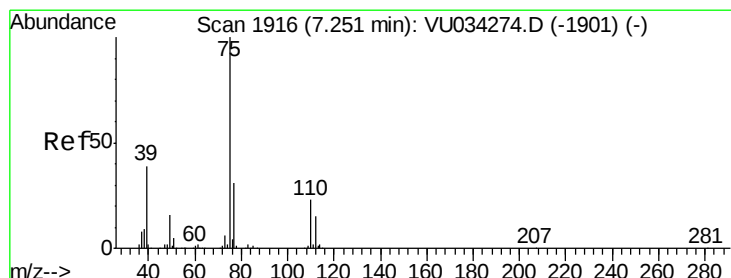
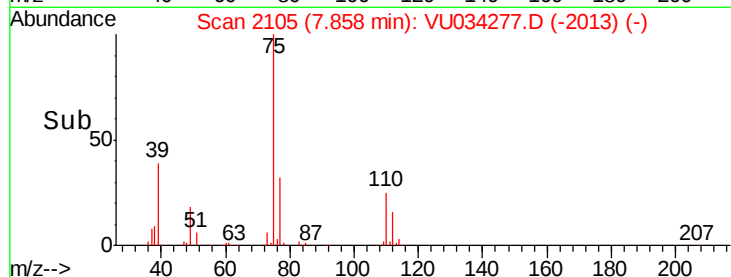
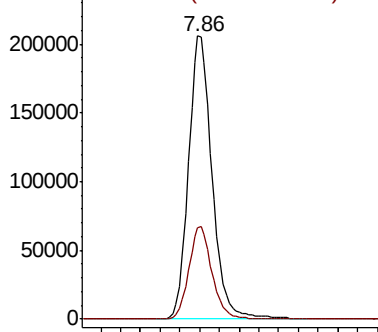
75 100

77 32.3 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: 50.973 ug/l

RT: 7.25 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VU034277.D

Acq: 05 Sep 2019 11:40

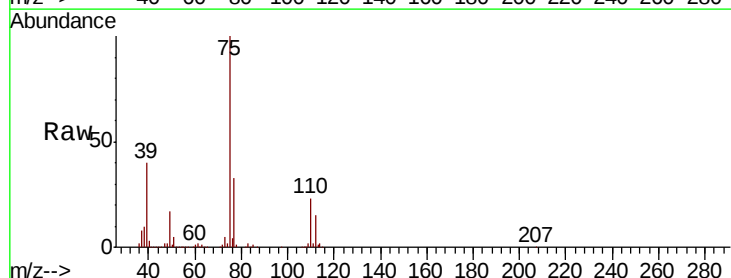
Tgt Ion: 75 Resp: 374779

Ion Ratio Lower Upper

75 100

77 32.6 25.1 37.7

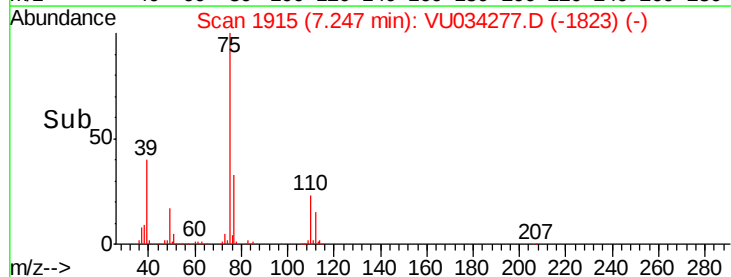
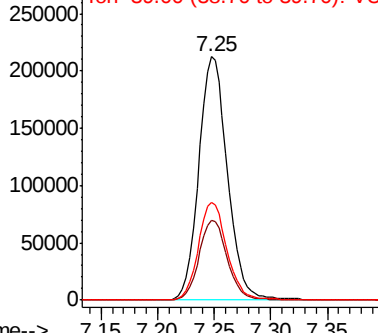
39 40.1 31.2 46.8

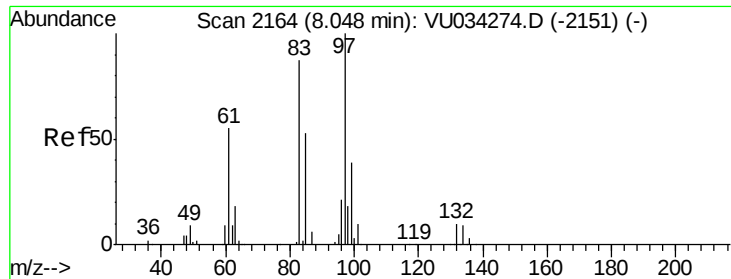


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0





#55

1,1,2-Trichloroethane

Concen: 48.420 ug/l

RT: 8.05 min Scan# 2164

Delta R.T. 0.00 min

Lab File: VU034277.D

Acq: 05 Sep 2019 11:40

Instrument :

MSVOA_U

ClientSampleId :

ICVVU090619

Tgt Ion: 97 Resp: 235962

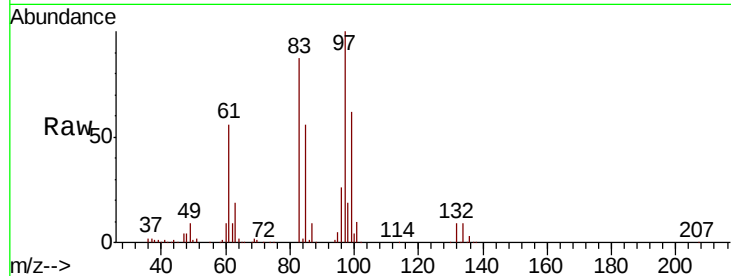
Ion Ratio Lower Upper

97 100

83 87.3 69.0 103.6

85 55.7 44.2 66.2

99 62.1 49.4 74.0

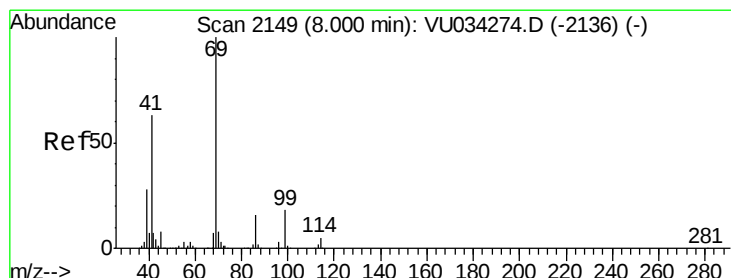
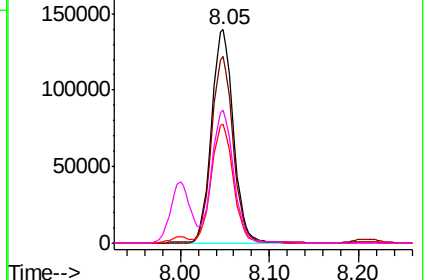
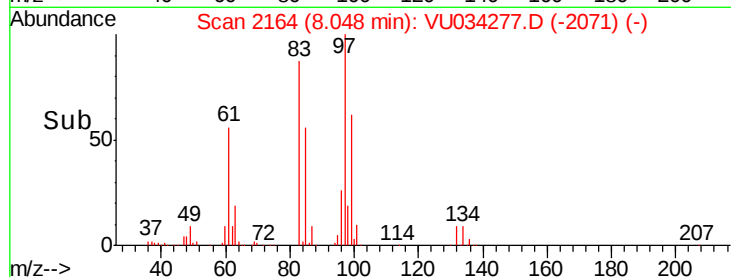


Abundance Ion 96.90 (96.60 to 97.60): VU0

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: 49.389 ug/l

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VU034277.D

Acq: 05 Sep 2019 11:40

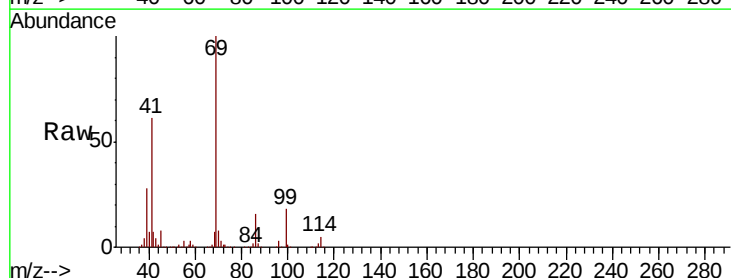
Tgt Ion: 69 Resp: 365373

Ion Ratio Lower Upper

69 100

41 61.4 49.5 74.3

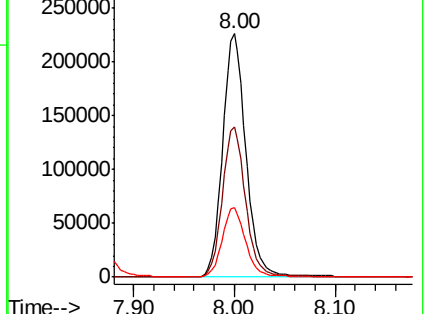
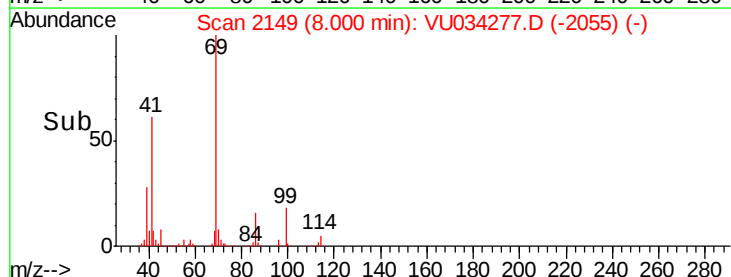
39 28.0 22.5 33.7

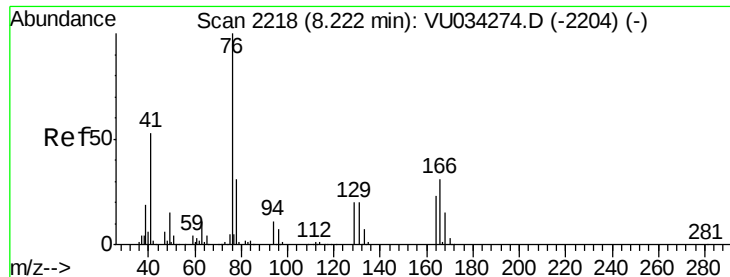


Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0





#57

1,3-Dichloropropane

Concen: 49.044 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU034277.D

Acq: 05 Sep 2019 11:40

Instrument :

MSVOA_U

ClientSampleId :

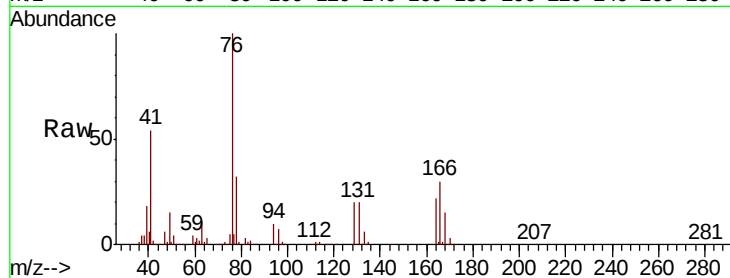
ICVVU090619

Tgt Ion: 76 Resp: 389181

Ion Ratio Lower Upper

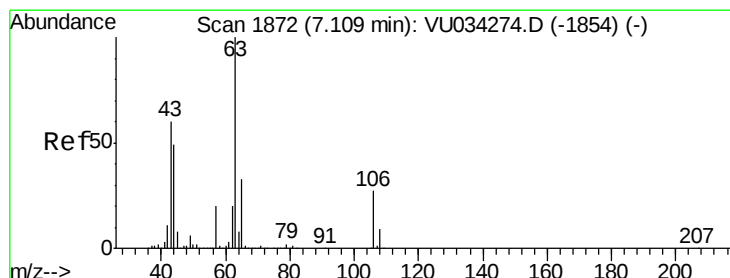
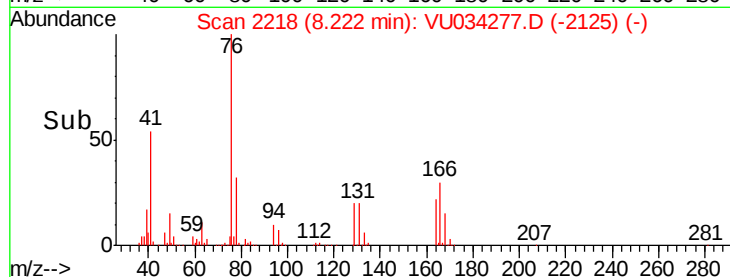
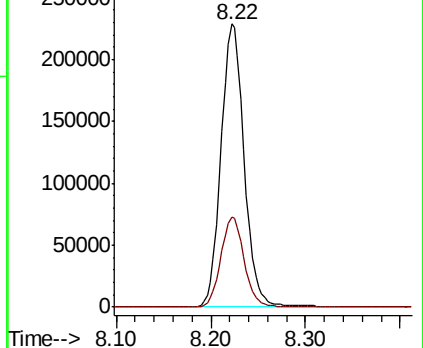
76 100

78 32.0 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: 278.926 ug/l

RT: 7.11 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VU034277.D

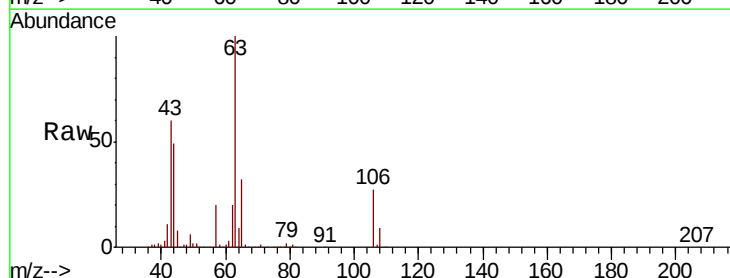
Acq: 05 Sep 2019 11:40

Tgt Ion: 63 Resp: 703842

Ion Ratio Lower Upper

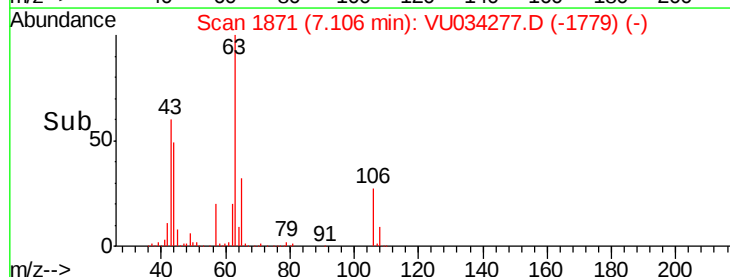
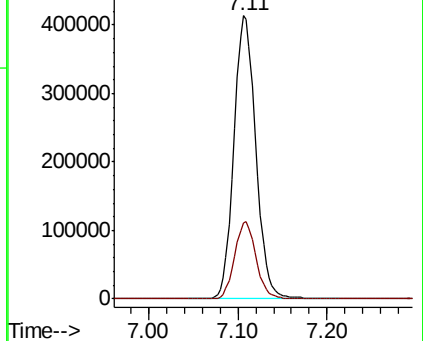
63 100

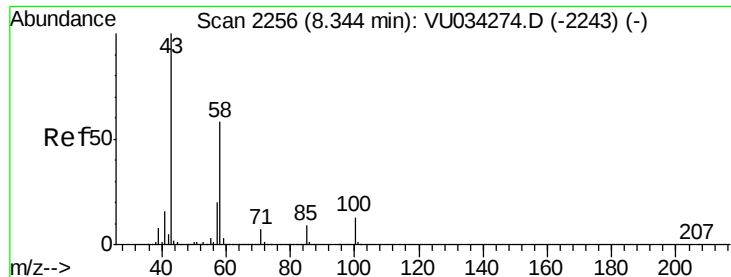
106 26.7 21.6 32.4



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

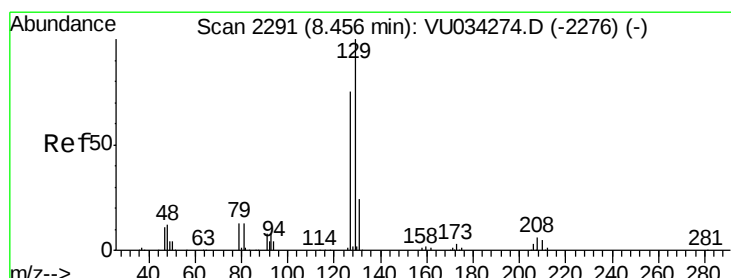
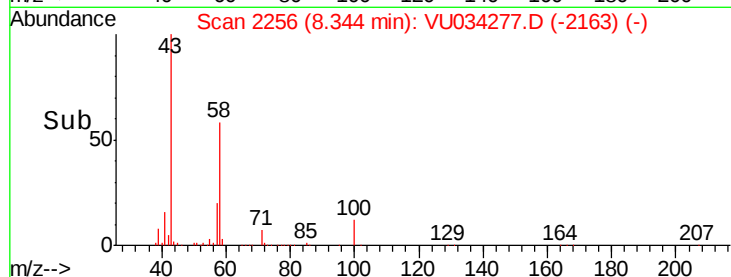
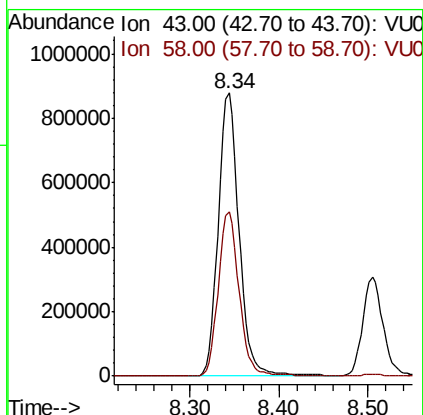
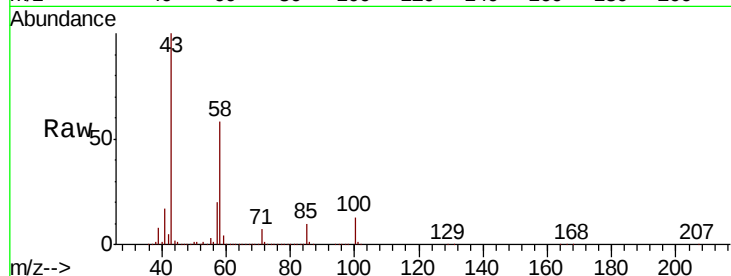




#59
2-Hexanone
Concen: 281.199 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU034277.D
Acq: 05 Sep 2019 11:40

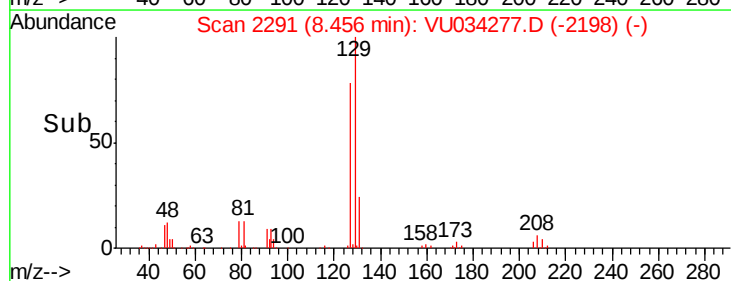
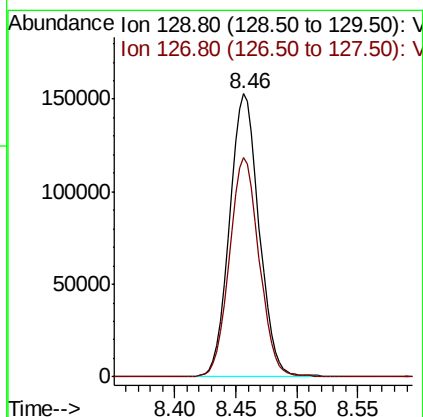
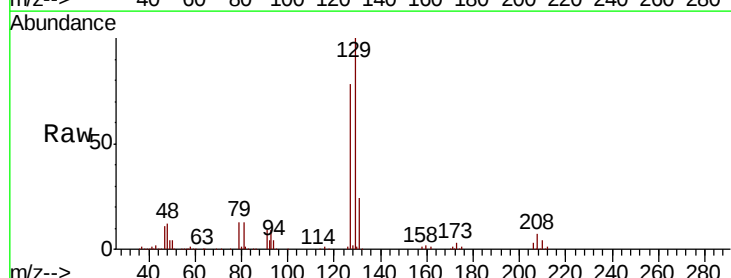
Instrument :
MSVOA_U
ClientSampleId :
ICVVU090619

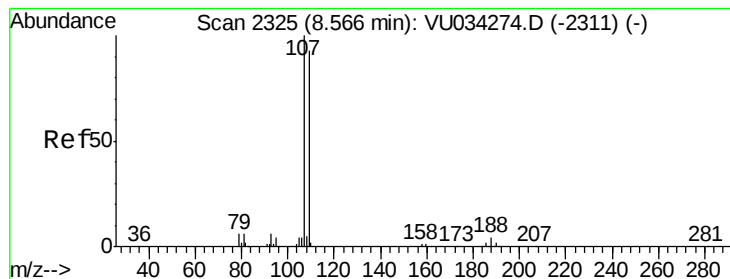
Tgt Ion: 43 Resp: 1422007
Ion Ratio Lower Upper
43 100
58 58.4 28.8 86.5



#60
Dibromochloromethane
Concen: 49.487 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU034277.D
Acq: 05 Sep 2019 11:40

Tgt Ion: 129 Resp: 258669
Ion Ratio Lower Upper
129 100
127 78.1 37.9 113.7





#61

1,2-Dibromoethane

Concen: 49.757 ug/l

RT: 8.57 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU034277.D

Acq: 05 Sep 2019 11:40

Instrument :

MSVOA_U

ClientSampleId :

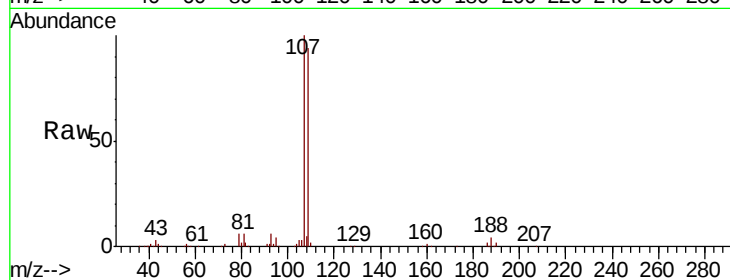
ICVVU090619

Tgt Ion: 107 Resp: 237331

Ion Ratio Lower Upper

107 100

109 93.8 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.57

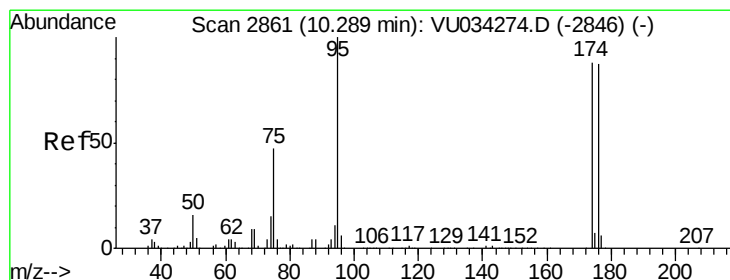
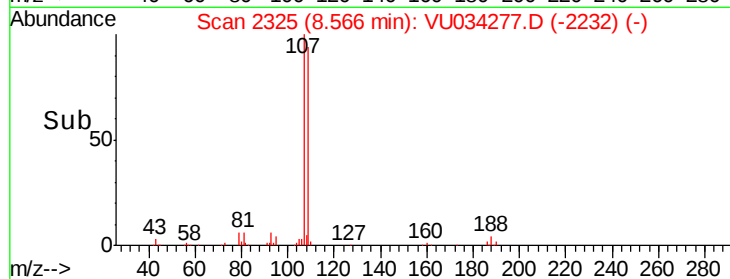
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.527 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU034277.D

Acq: 05 Sep 2019 11:40

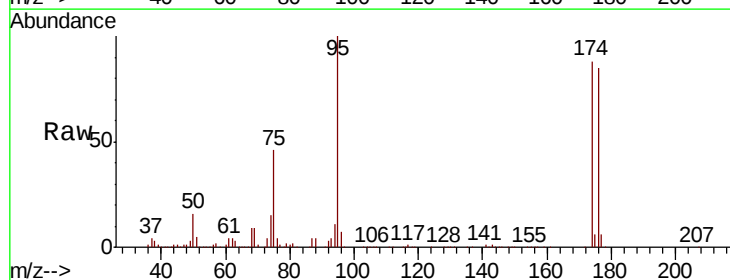
Tgt Ion: 95 Resp: 333418

Ion Ratio Lower Upper

95 100

174 86.4 0.0 175.2

176 84.6 0.0 168.0



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

10.29

250000

200000

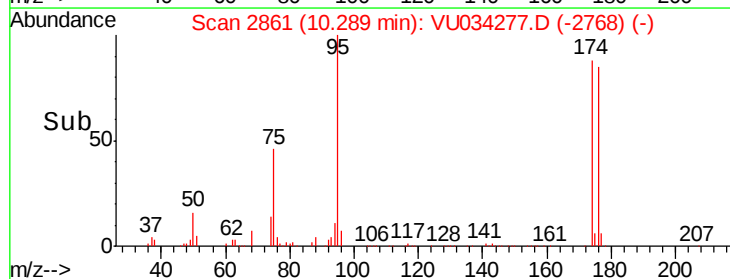
150000

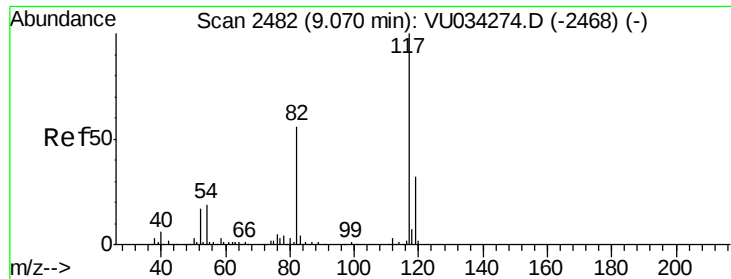
100000

50000

0

Time-->

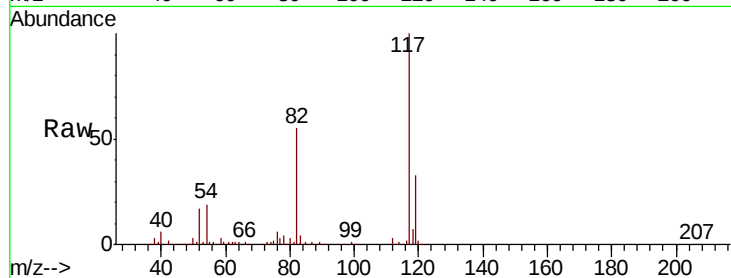




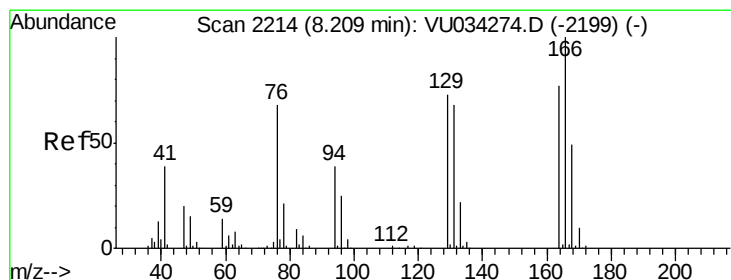
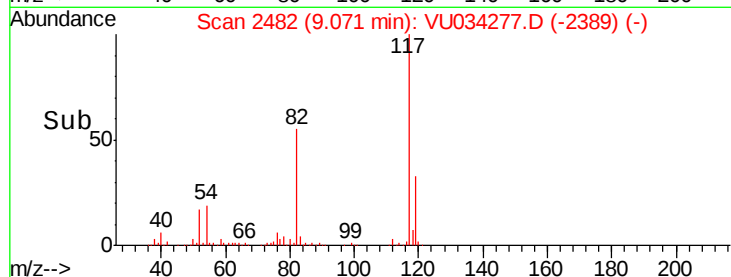
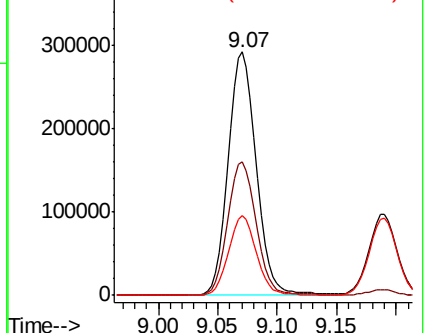
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034277.D
Acq: 05 Sep 2019 11:40

Instrument :
MSVOA_U
ClientSampleId :
ICVVU090619

Tgt Ion:117 Resp: 479814
Ion Ratio Lower Upper
117 100
82 54.8 44.6 67.0
119 32.6 25.9 38.9

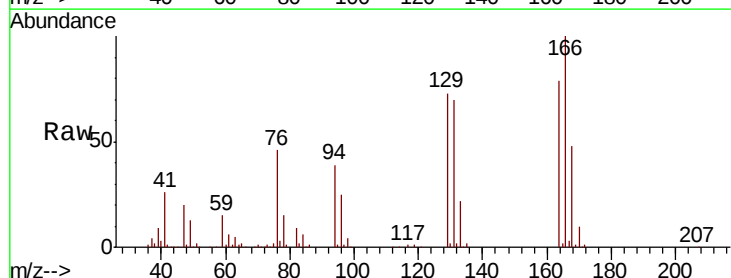


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

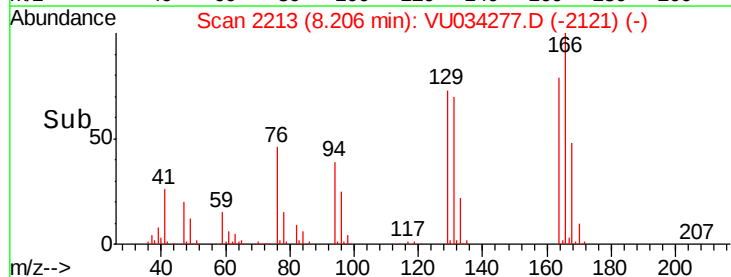
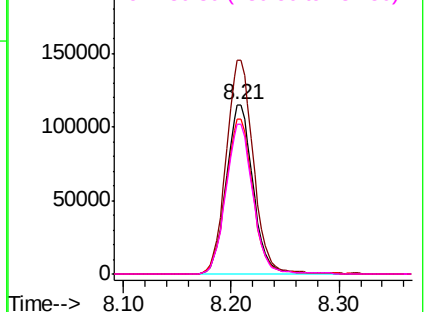


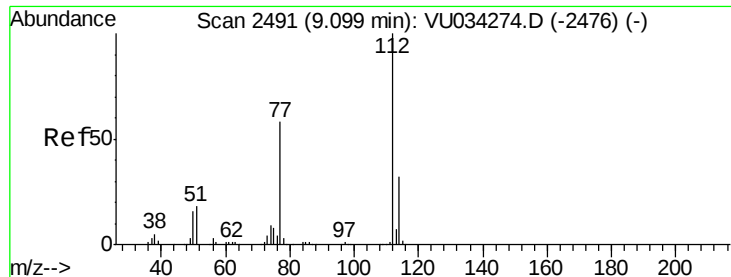
#64
Tetrachloroethene
Concen: 47.656 ug/l
RT: 8.21 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VU034277.D
Acq: 05 Sep 2019 11:40

Tgt Ion:164 Resp: 198375
Ion Ratio Lower Upper
164 100
166 126.0 103.7 155.5
129 91.9 75.8 113.8
131 88.8 70.7 106.1



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

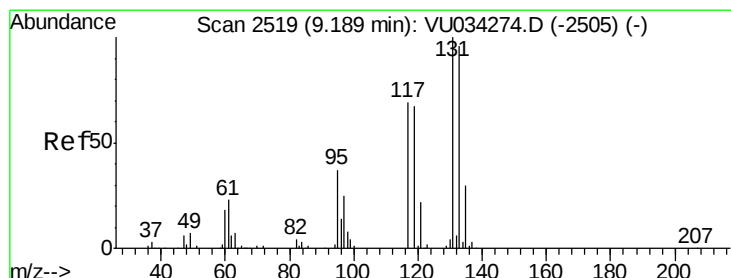
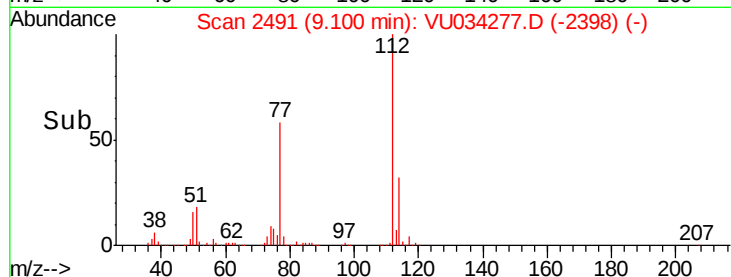
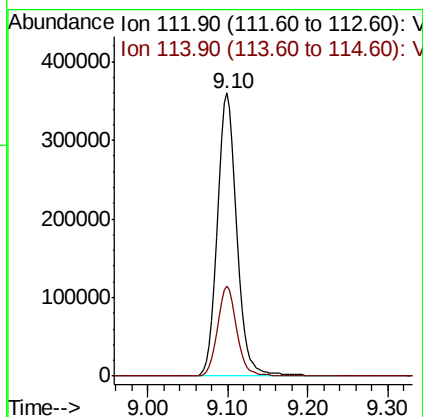
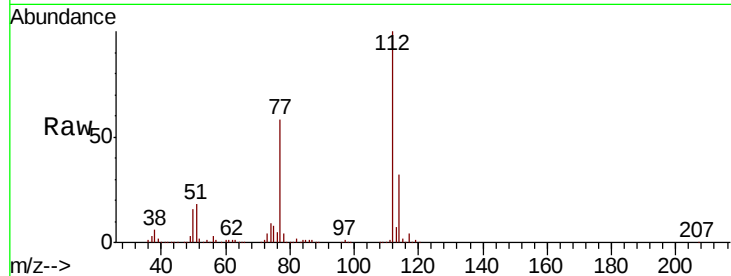




#65
Chlorobenzene
Concen: 50.057 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU034277.D
Acq: 05 Sep 2019 11:40

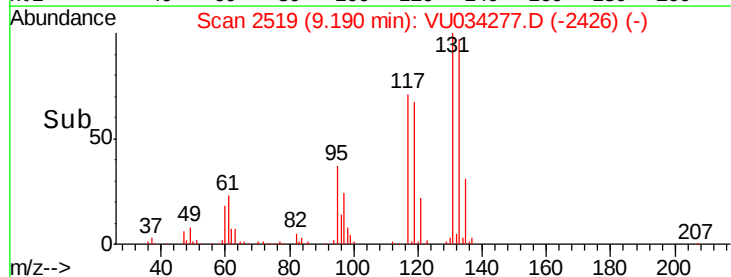
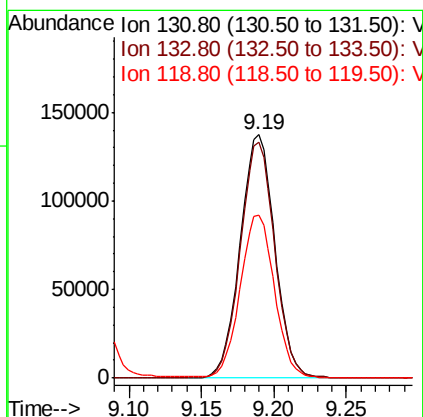
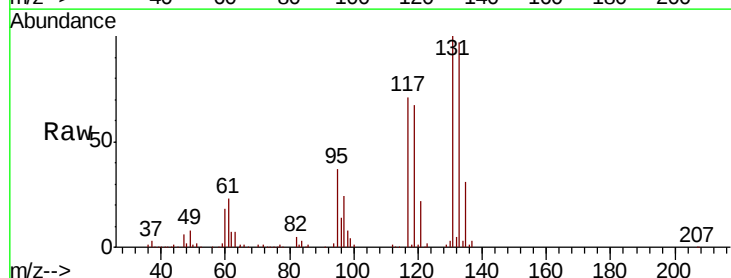
Instrument :
MSVOA_U
ClientSampleId :
ICVVU090619

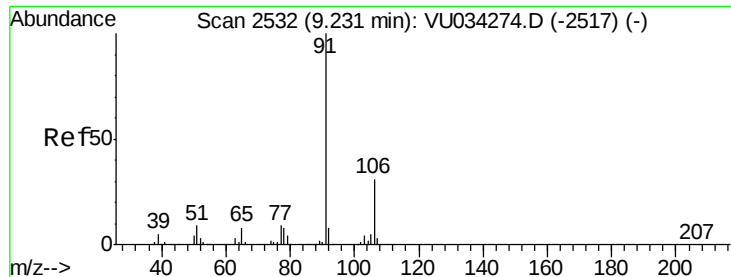
Tgt Ion:112 Resp: 609343
Ion Ratio Lower Upper
112 100
114 32.0 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 49.091 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. 0.00 min
Lab File: VU034277.D
Acq: 05 Sep 2019 11:40

Tgt Ion:131 Resp: 228062
Ion Ratio Lower Upper
131 100
133 96.5 47.9 143.7
119 65.8 33.1 99.5

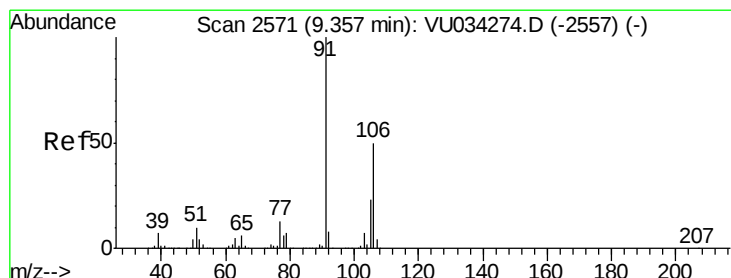
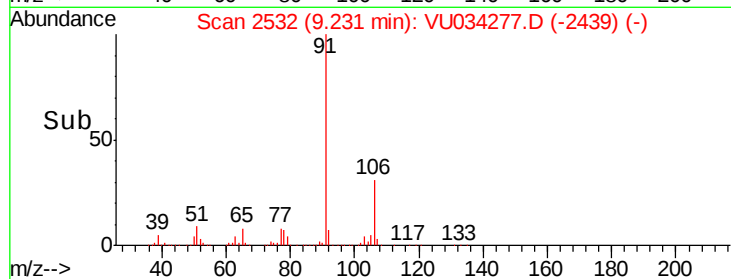
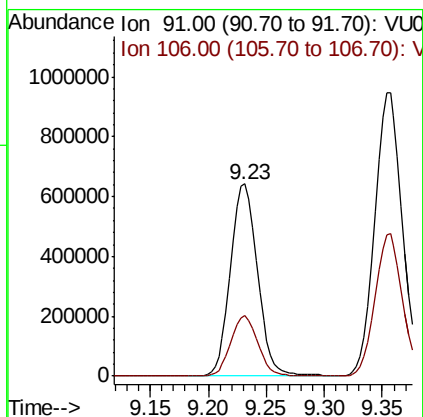
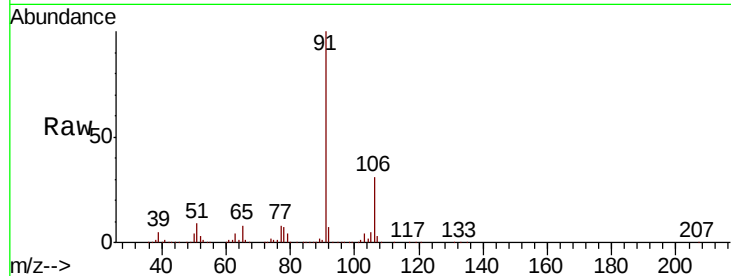




#67
Ethyl Benzene
Concen: 52.115 ug/l
RT: 9.23 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU034277.D
Acq: 05 Sep 2019 11:40

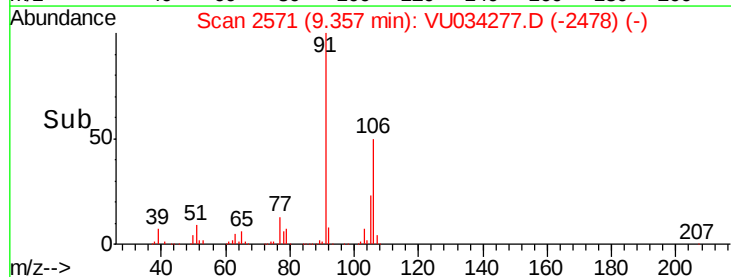
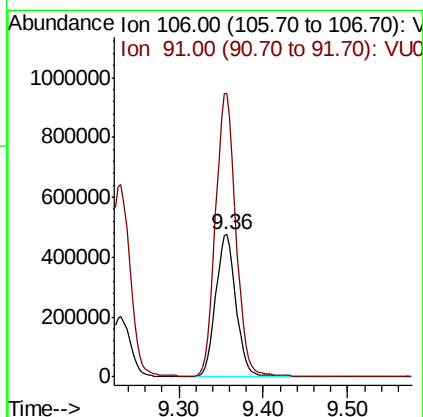
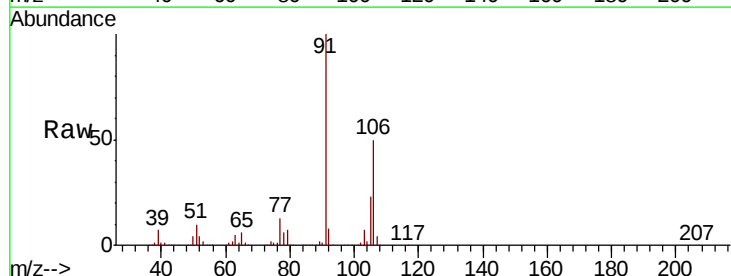
Instrument :
MSVOA_U
ClientSampleId :
ICVVU090619

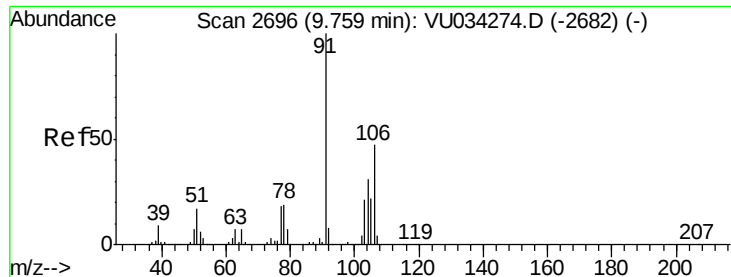
Tgt Ion: 91 Resp: 1037284
Ion Ratio Lower Upper
91 100
106 31.3 24.8 37.2



#68
m/p-Xylenes
Concen: 106.374 ug/l
RT: 9.36 min Scan# 2571
Delta R.T. 0.00 min
Lab File: VU034277.D
Acq: 05 Sep 2019 11:40

Tgt Ion: 106 Resp: 797270
Ion Ratio Lower Upper
106 100
91 200.3 160.1 240.1

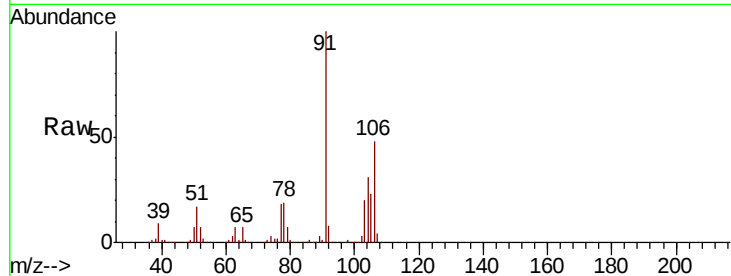




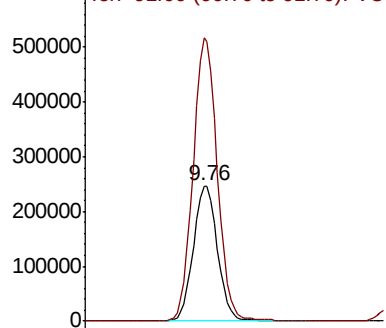
#69
o-Xylene
Concen: 53.305 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. 0.00 min
Lab File: VU034277.D
Acq: 05 Sep 2019 11:40

Instrument :
MSVOA_U
ClientSampleId :
ICVVU090619

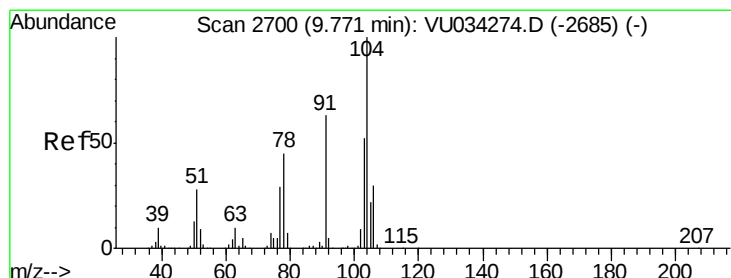
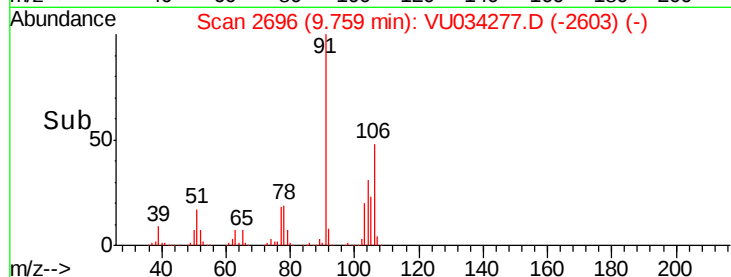
Tgt Ion:106 Resp: 390712
Ion Ratio Lower Upper
106 100
91 209.0 105.1 315.3



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

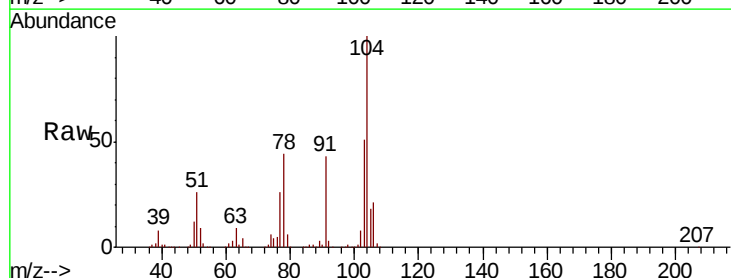


Time-->

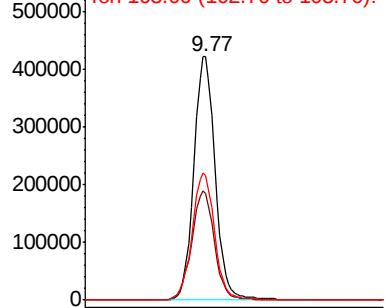


#70
Styrene
Concen: 54.476 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU034277.D
Acq: 05 Sep 2019 11:40

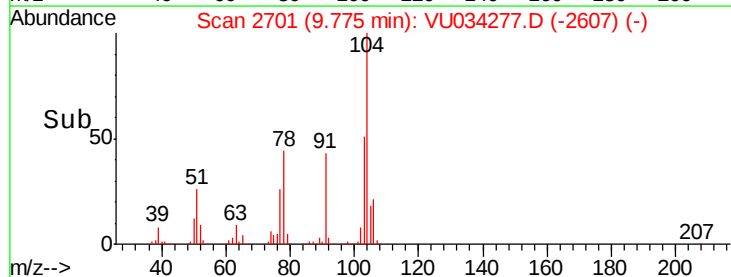
Tgt Ion:104 Resp: 700070
Ion Ratio Lower Upper
104 100
78 47.8 38.6 57.8
103 54.8 44.2 66.4

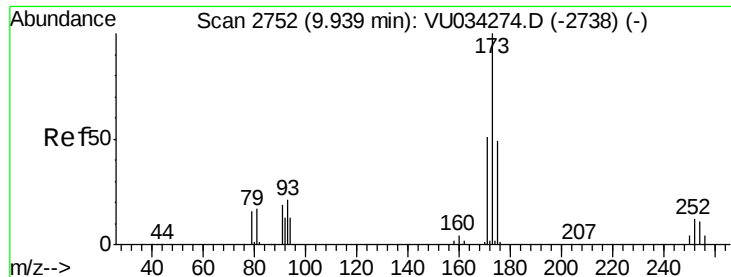


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V



Time-->





#71

Bromoform

Concen: 51.566 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. 0.00 min

Lab File: VU034277.D

Acq: 05 Sep 2019 11:40

Instrument :

MSVOA_U

ClientSampleId :

ICVVU090619

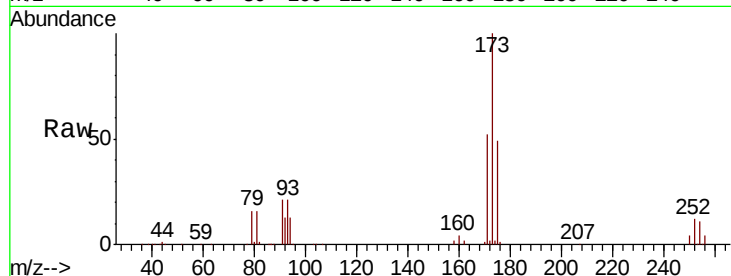
Tgt Ion:173 Resp: 207617

Ion Ratio Lower Upper

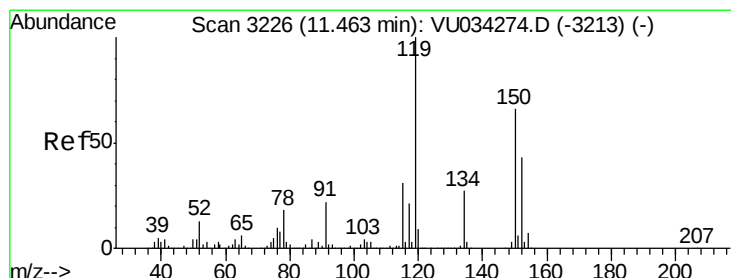
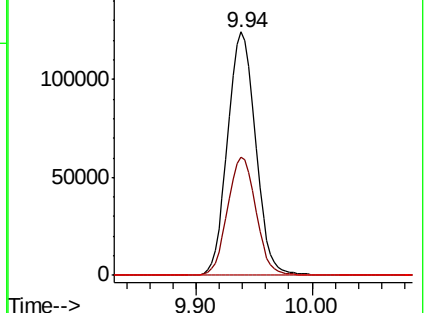
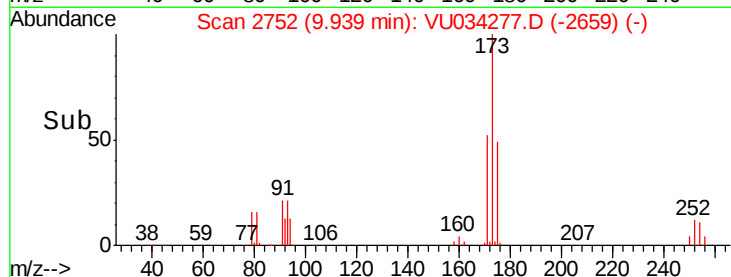
173 100

175 49.1 24.4 73.2

254 0.2 0.0 0.0#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.46 min Scan# 3226

Delta R.T. 0.00 min

Lab File: VU034277.D

Acq: 05 Sep 2019 11:40

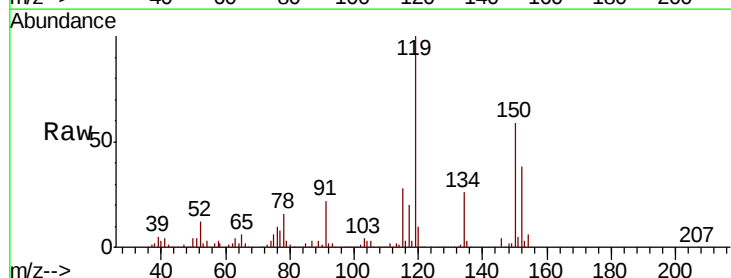
Tgt Ion:152 Resp: 309056

Ion Ratio Lower Upper

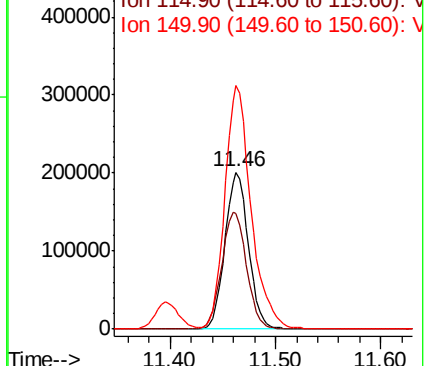
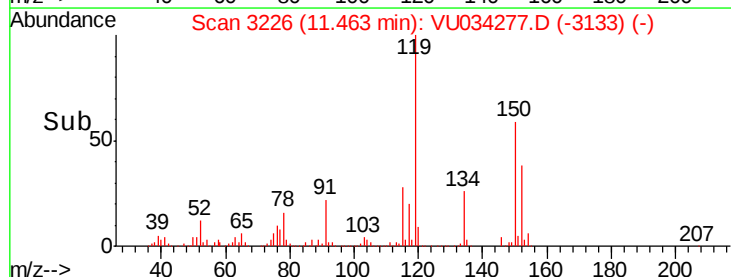
152 100

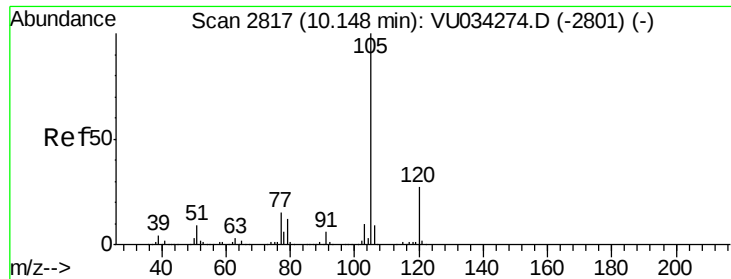
115 78.4 39.1 117.3

150 172.8 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: 53.067 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034277.D

Acq: 05 Sep 2019 11:40

Instrument :

MSVOA_U

ClientSampleId :

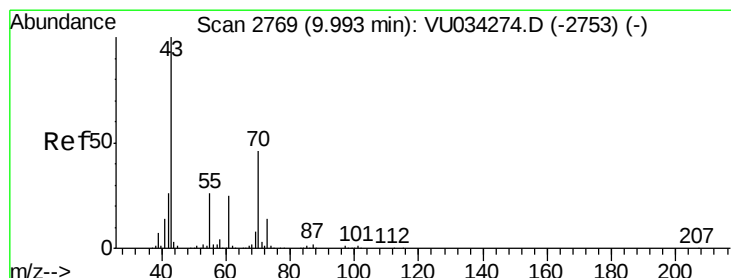
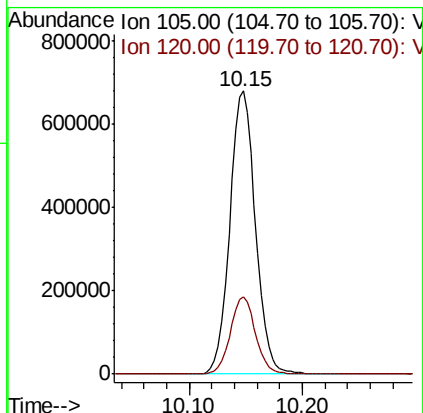
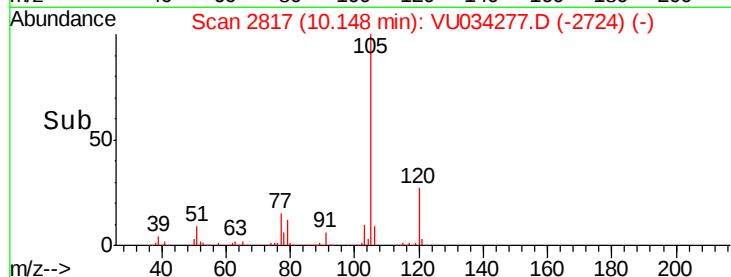
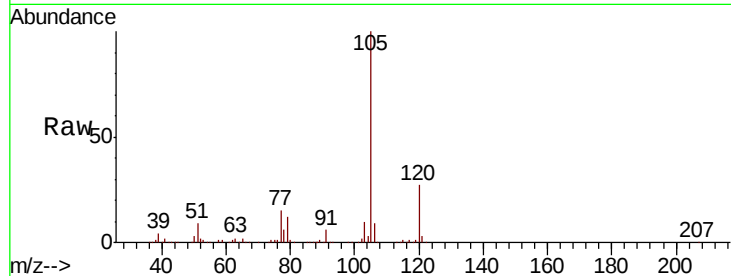
ICVVU090619

Tgt Ion: 105 Resp: 1067317

Ion Ratio Lower Upper

105 100

120 26.9 13.4 40.2



#74

N-ethyl acetate

Concen: 58.473 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VU034277.D

Acq: 05 Sep 2019 11:40

Tgt Ion: 43 Resp: 473387

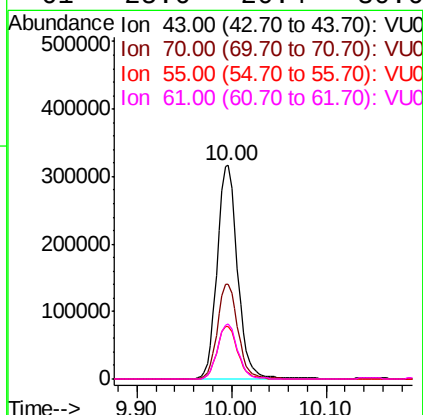
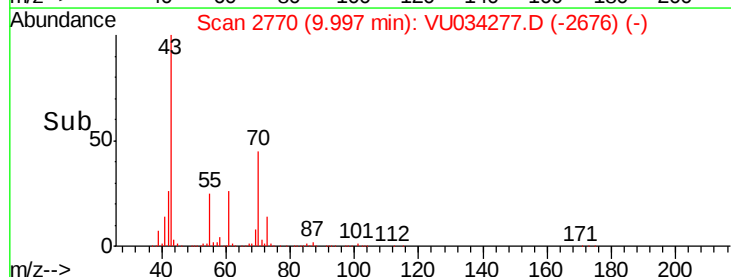
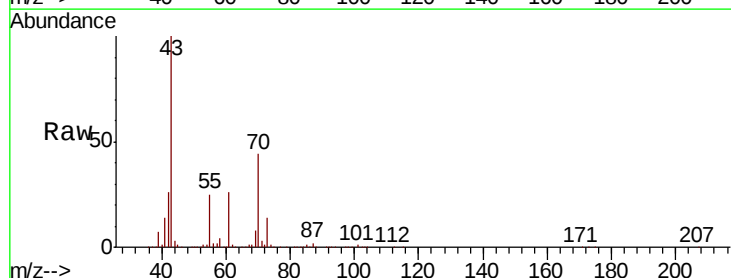
Ion Ratio Lower Upper

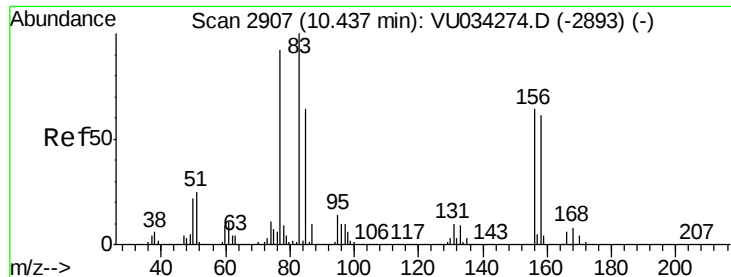
43 100

70 44.8 36.4 54.6

55 25.1 21.2 31.8

61 25.6 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 49.898 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. 0.00 min

Lab File: VU034277.D

Acq: 05 Sep 2019 11:40

Instrument :

MSVOA_U

ClientSampleId :

ICVVU090619

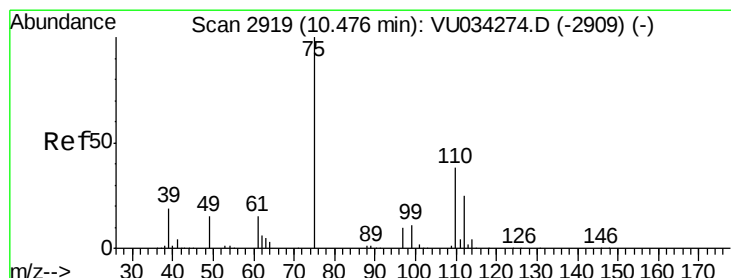
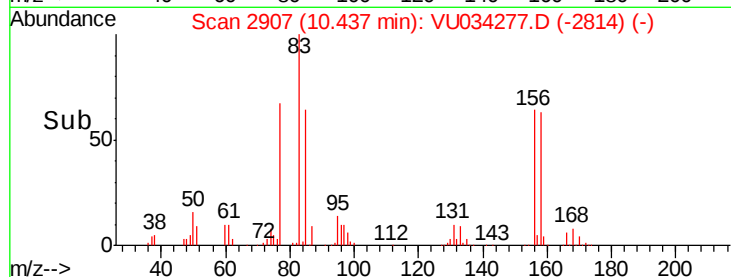
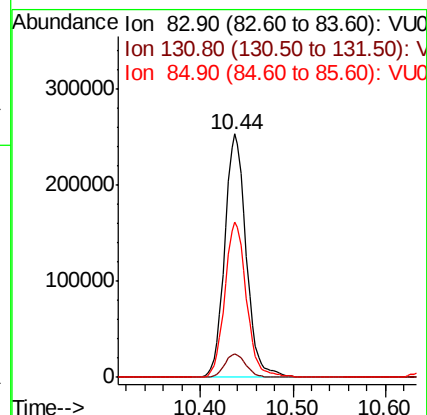
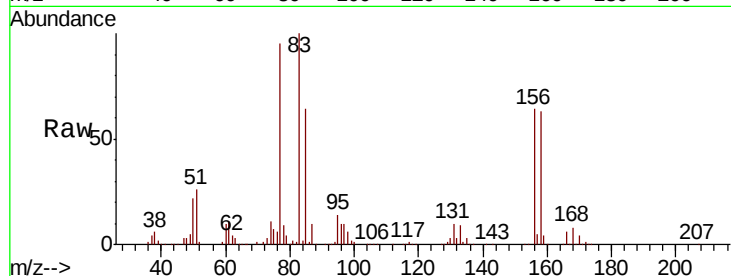
Tgt Ion: 83 Resp: 406223

Ion Ratio Lower Upper

83 100

131 9.7 5.1 15.2

85 64.3 32.0 96.2



#76

1,2,3-Trichloropropane

Concen: 67.320 ug/l

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VU034277.D

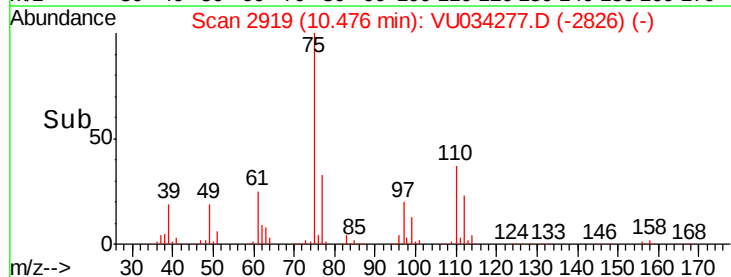
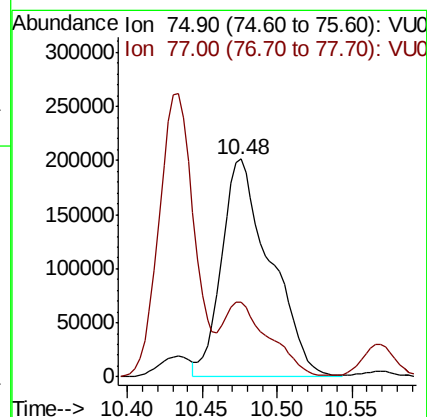
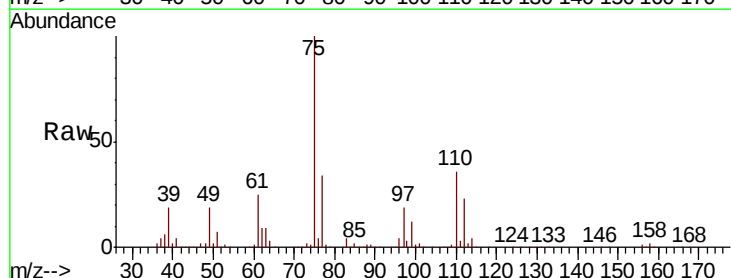
Acq: 05 Sep 2019 11:40

Tgt Ion: 75 Resp: 454152

Ion Ratio Lower Upper

75 100

77 31.8 20.8 62.2





#77

Bromobenzene

Concen: 50.511 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034277.D

Acq: 05 Sep 2019 11:40

Instrument :

MSVOA_U

ClientSampleId :

ICVVU090619

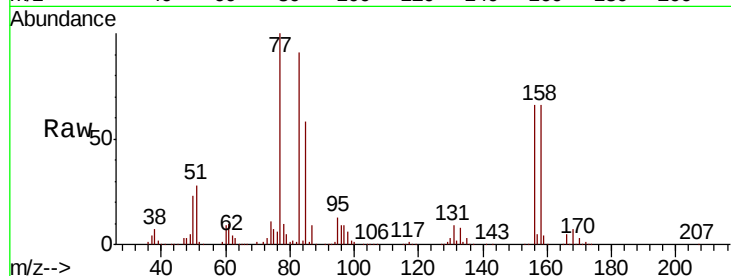
Tgt Ion:156 Resp: 284063

Ion Ratio Lower Upper

156 100

77 151.6 75.6 226.9

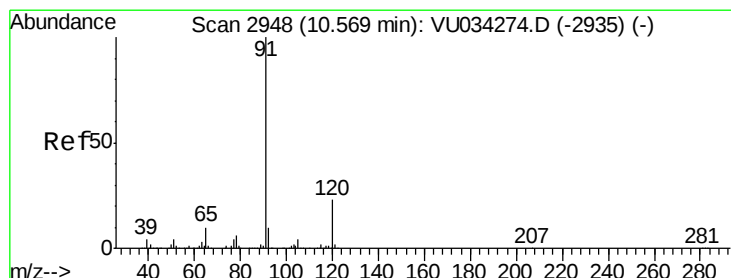
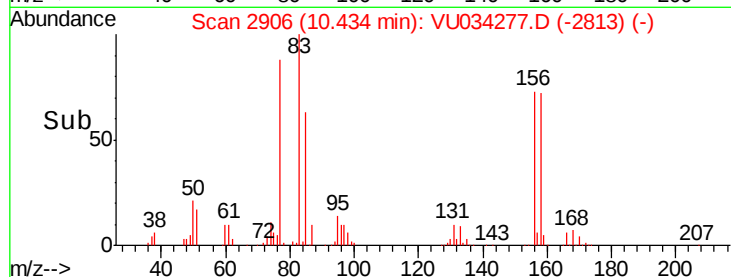
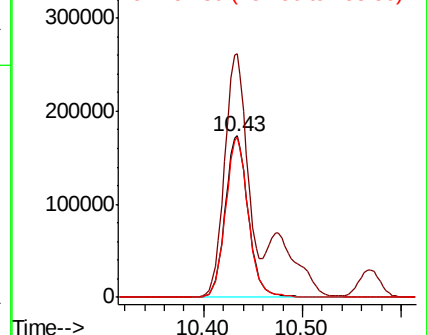
158 98.2 48.2 144.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.853 ug/l

RT: 10.57 min Scan# 2948

Delta R.T. 0.00 min

Lab File: VU034277.D

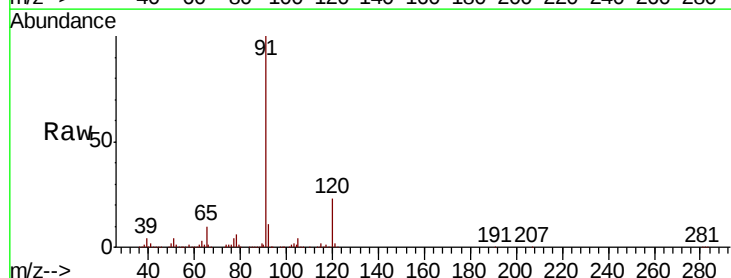
Acq: 05 Sep 2019 11:40

Tgt Ion: 91 Resp: 1250909

Ion Ratio Lower Upper

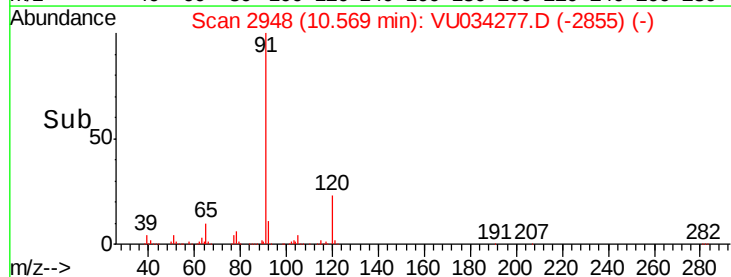
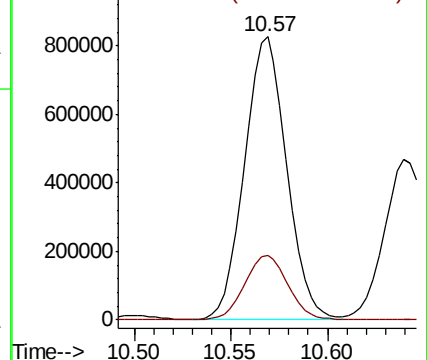
91 100

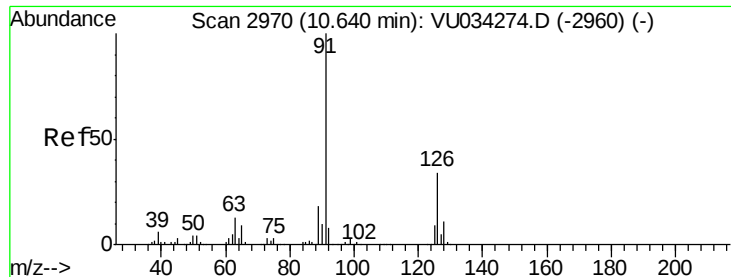
120 23.3 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

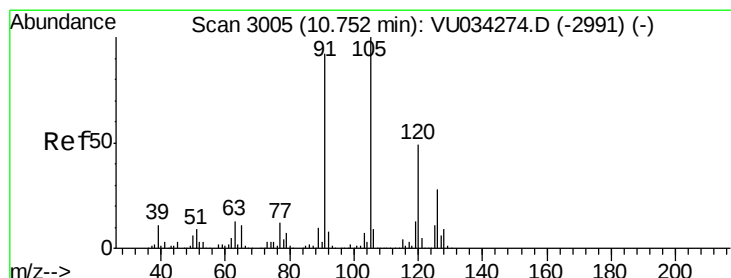
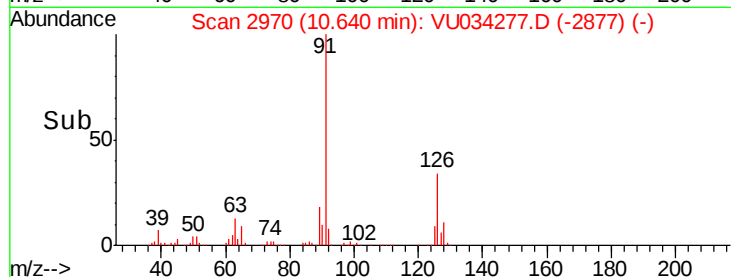
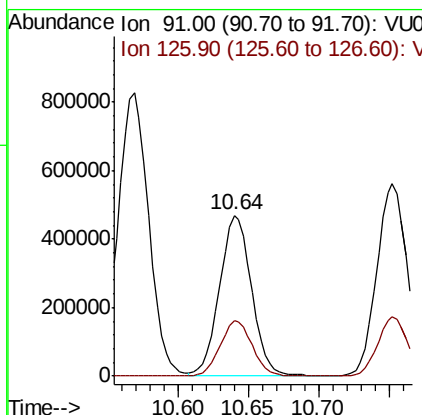
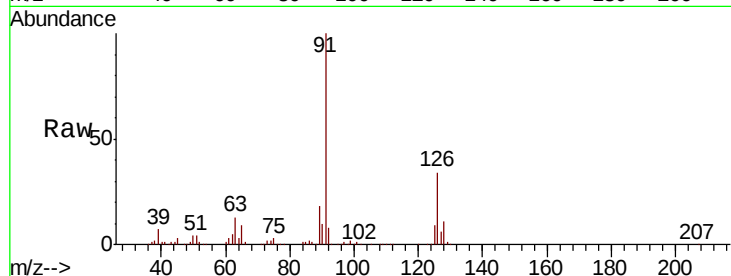




#79
 2-Chlorotoluene
 Concen: 52.233 ug/l
 RT: 10.64 min Scan# 2970
 Delta R.T. 0.00 min
 Lab File: VU034277.D
 Acq: 05 Sep 2019 11:40

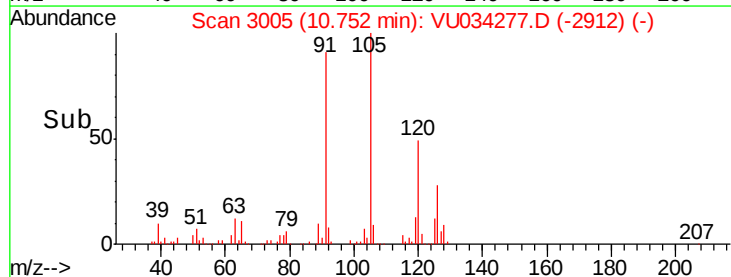
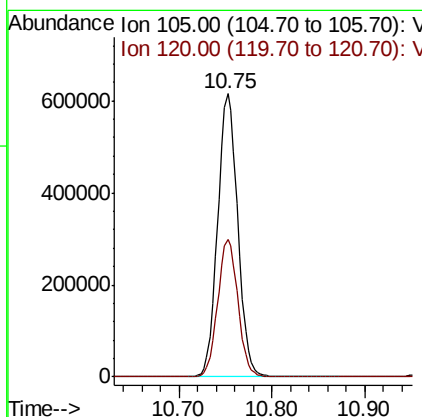
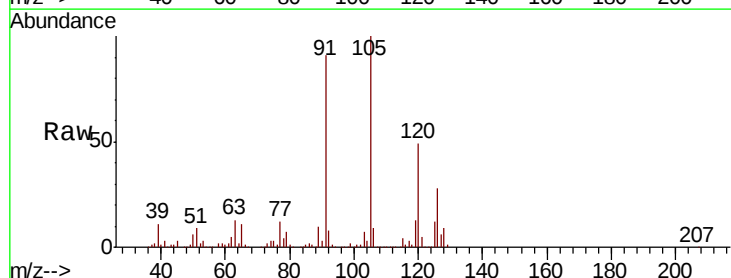
Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU090619

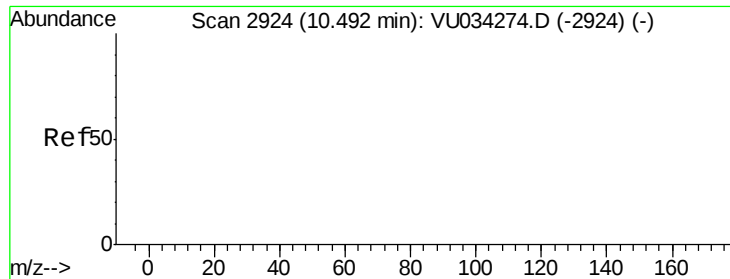
Tgt Ion: 91 Resp: 740287
 Ion Ratio Lower Upper
 91 100
 126 34.7 17.3 51.9



#80
 1,3,5-Trimethylbenzene
 Concen: 54.929 ug/l
 RT: 10.75 min Scan# 3005
 Delta R.T. 0.00 min
 Lab File: VU034277.D
 Acq: 05 Sep 2019 11:40

Tgt Ion: 105 Resp: 923960
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.9 74.7

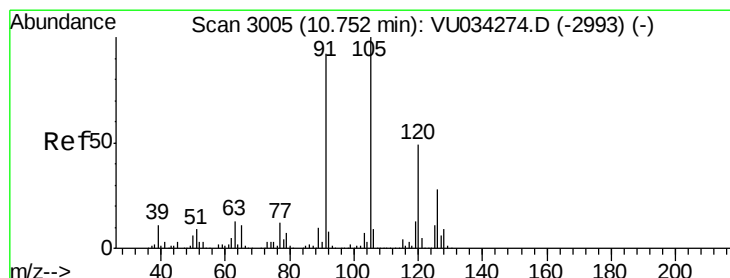
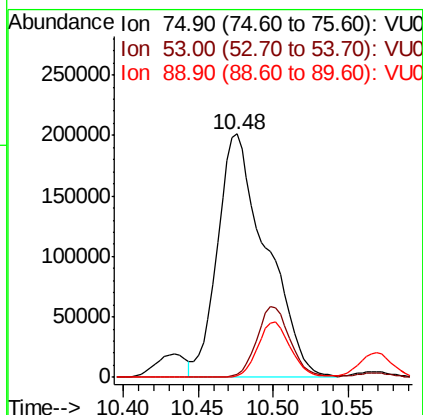
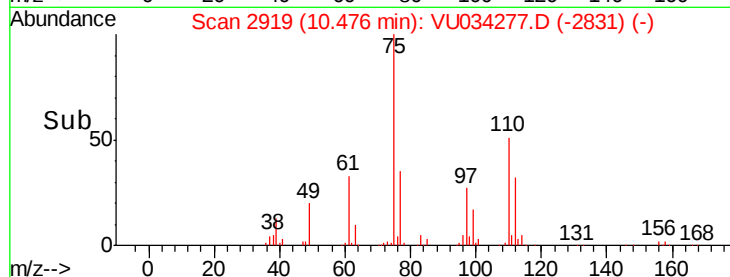
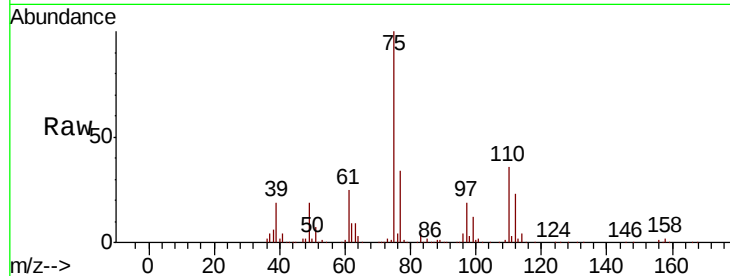




#81
trans-1,4-Dichloro-2-butene
Concen: 227.285 ug/l
RT: 10.48 min Scan# 2919
Delta R.T. -0.02 min
Lab File: VU034277.D
Acq: 05 Sep 2019 11:40

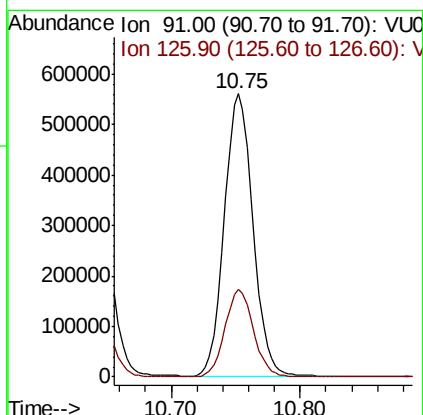
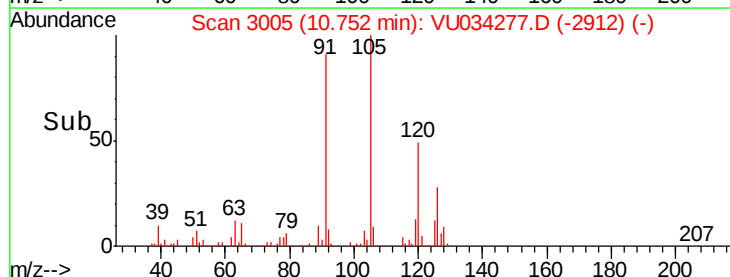
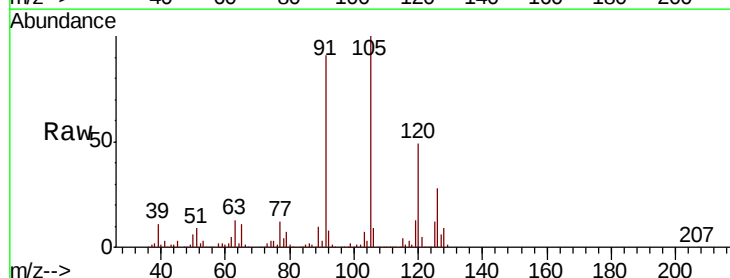
Instrument :
MSVOA_U
ClientSampleId :
ICVVU090619

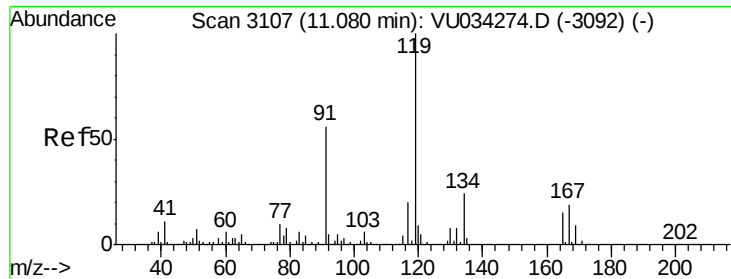
Tgt Ion: 75 Resp: 455940
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 52.797 ug/l
RT: 10.75 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VU034277.D
Acq: 05 Sep 2019 11:40

Tgt Ion: 91 Resp: 861127
Ion Ratio Lower Upper
91 100
126 30.7 15.3 45.8

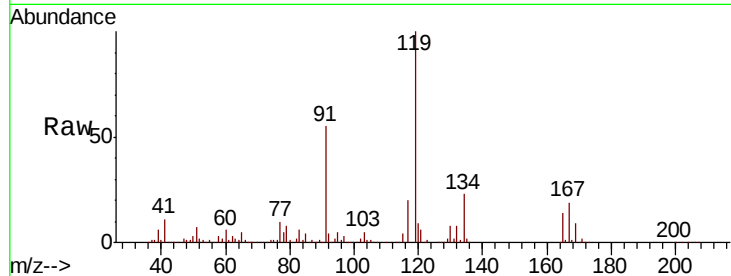




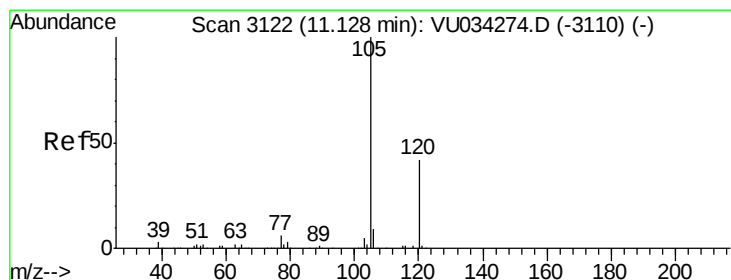
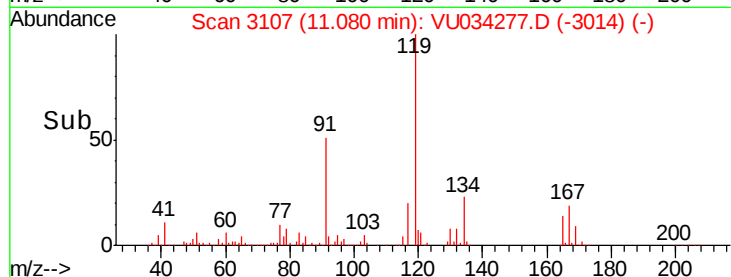
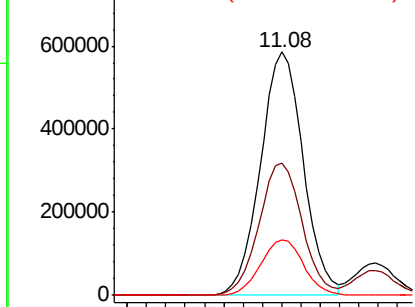
#83
 tert-Butylbenzene
 Concen: 53.617 ug/l
 RT: 11.08 min Scan# 3107
 Delta R.T. 0.00 min
 Lab File: VU034277.D
 Acq: 05 Sep 2019 11:40

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU090619

Tgt Ion:119 Resp: 902233
 Ion Ratio Lower Upper
 119 100
 91 54.9 27.8 83.4
 134 23.1 11.7 35.0

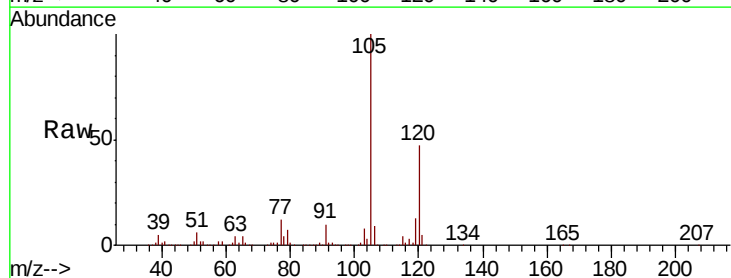


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

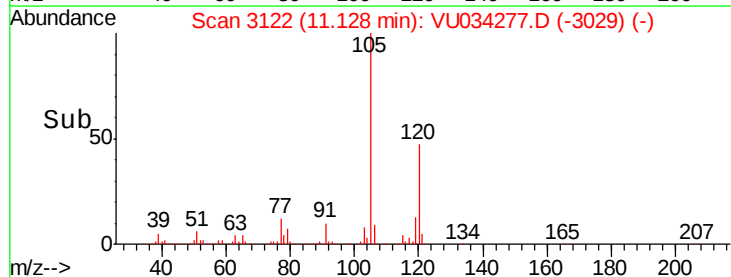
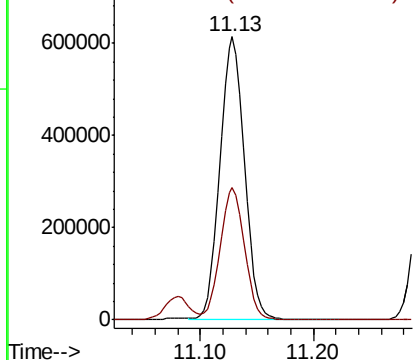


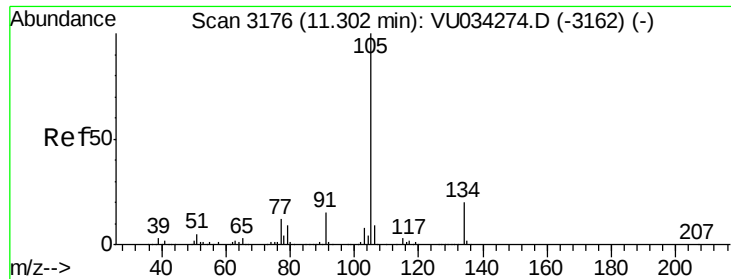
#84
 1,2,4-Trimethylbenzene
 Concen: 54.845 ug/l
 RT: 11.13 min Scan# 3122
 Delta R.T. 0.00 min
 Lab File: VU034277.D
 Acq: 05 Sep 2019 11:40

Tgt Ion:105 Resp: 928655
 Ion Ratio Lower Upper
 105 100
 120 46.2 22.9 68.8



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

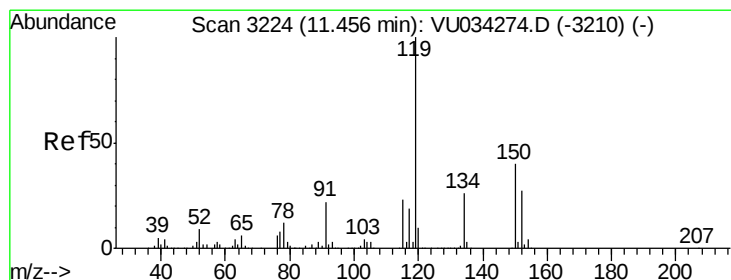
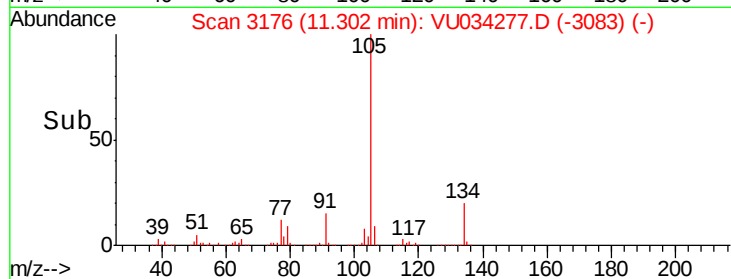
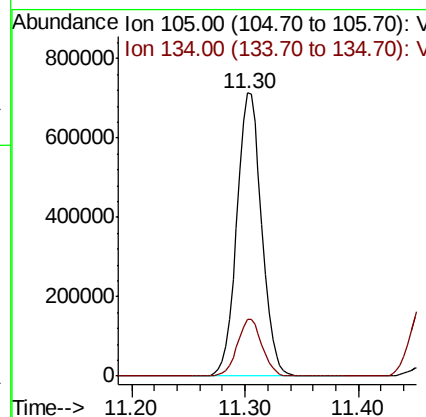
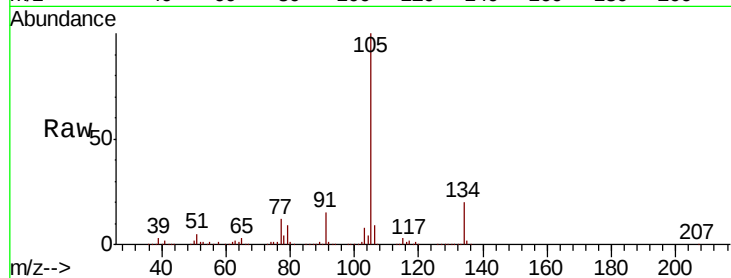




#85
 sec-Butylbenzene
 Concen: 54.702 ug/l
 RT: 11.30 min Scan# 3176
 Delta R.T. 0.00 min
 Lab File: VU034277.D
 Acq: 05 Sep 2019 11:40

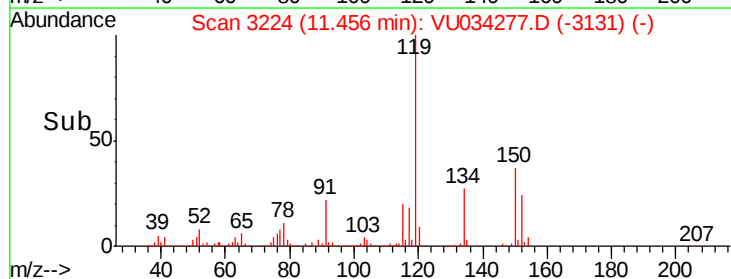
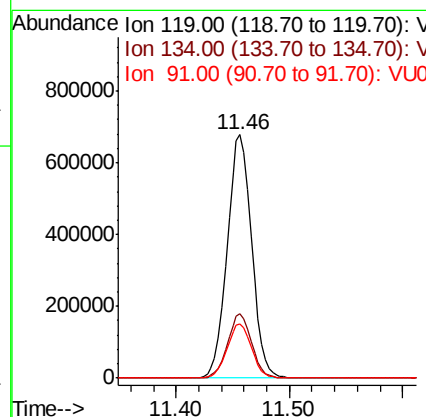
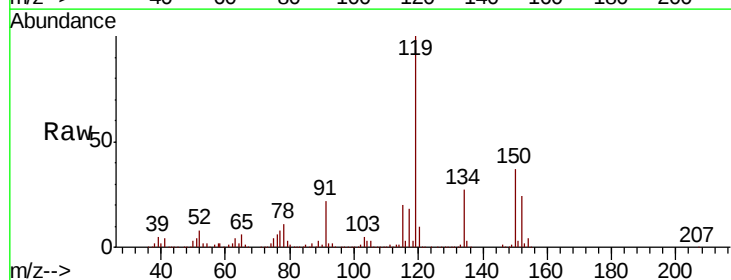
Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU090619

Tgt Ion:105 Resp: 1086700
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.1 30.3



#86
 p-Isopropyltoluene
 Concen: 55.298 ug/l
 RT: 11.46 min Scan# 3224
 Delta R.T. 0.00 min
 Lab File: VU034277.D
 Acq: 05 Sep 2019 11:40

Tgt Ion:119 Resp: 1013949
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.3 39.8
 91 22.2 11.2 33.6





#87

1,3-Dichlorobenzene

Concen: 50.878 ug/l

RT: 11.40 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VU034277.D

Acq: 05 Sep 2019 11:40

Instrument :

MSVOA_U

ClientSampleId :

ICVVU090619

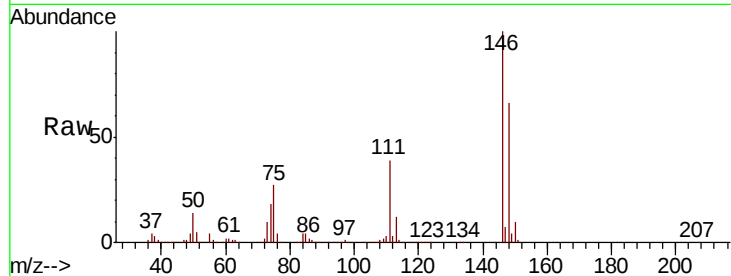
Tgt Ion:146 Resp: 522113

Ion Ratio Lower Upper

146 100

111 39.0 19.5 58.5

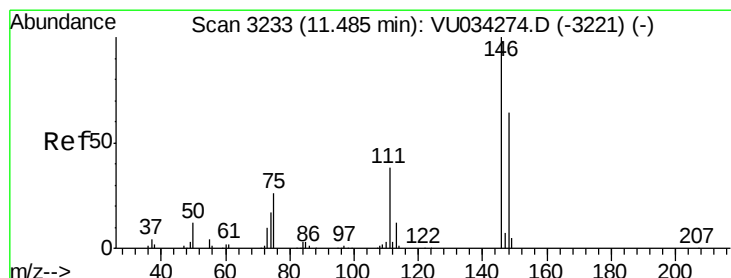
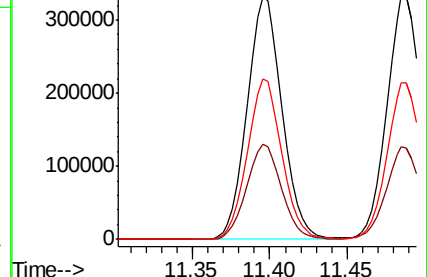
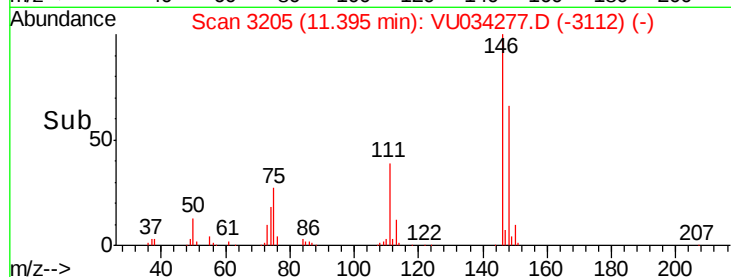
148 65.1 32.1 96.3



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



#88

1,4-Dichlorobenzene

Concen: 49.371 ug/l

RT: 11.49 min Scan# 3233

Delta R.T. 0.00 min

Lab File: VU034277.D

Acq: 05 Sep 2019 11:40

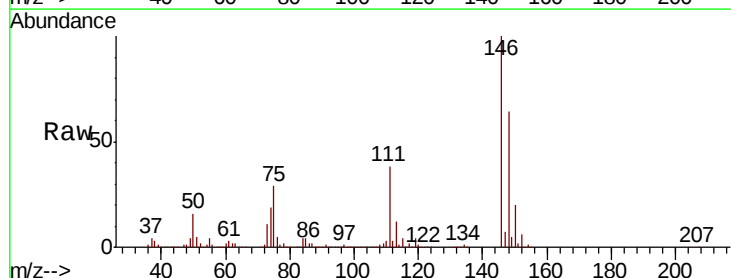
Tgt Ion:146 Resp: 528450

Ion Ratio Lower Upper

146 100

111 37.7 19.1 57.3

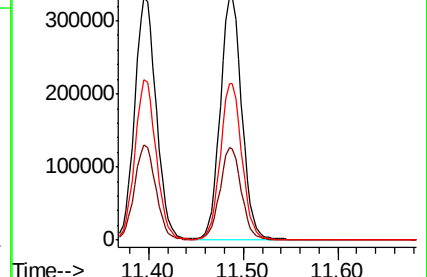
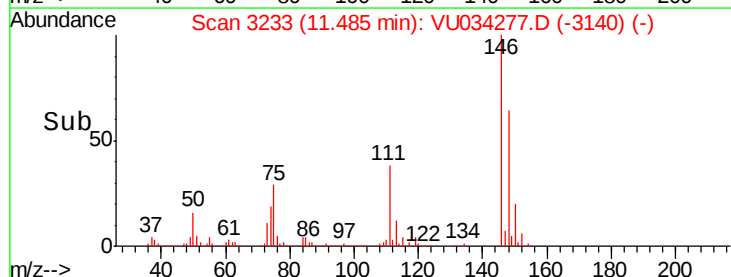
148 63.6 32.0 96.0

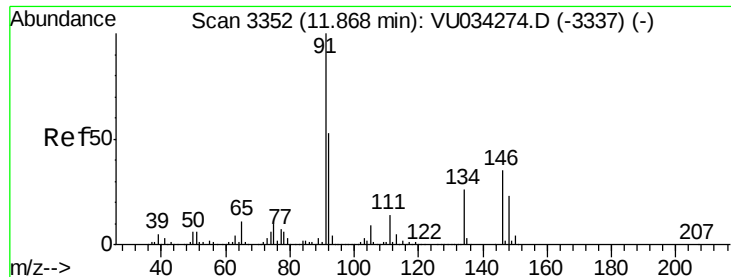


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 58.030 ug/l

RT: 11.87 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VU034277.D

Acq: 05 Sep 2019 11:40

Instrument :

MSVOA_U

ClientSampleId :

ICVVU090619

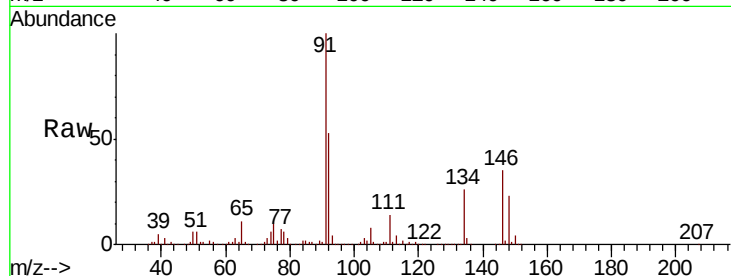
Tgt Ion: 91 Resp: 924666

Ion Ratio Lower Upper

91 100

92 53.2 26.5 79.4

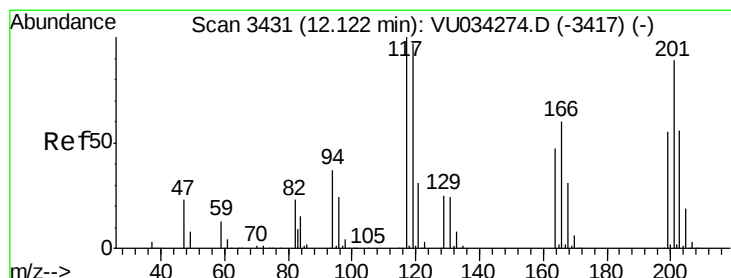
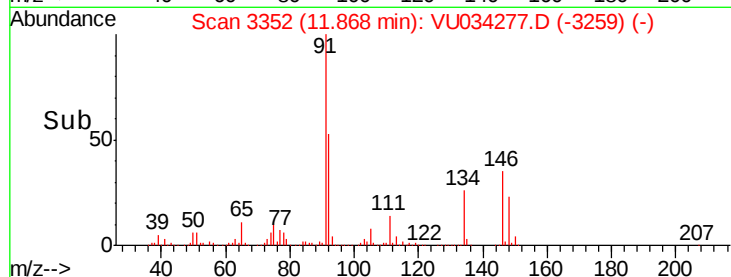
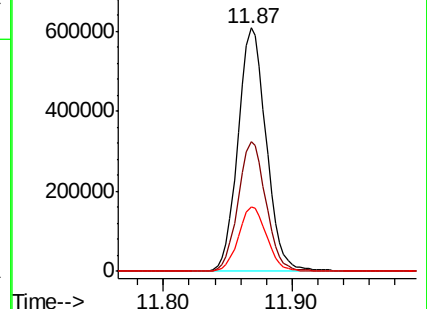
134 26.5 13.2 39.6



Abundance Ion 91.00 (90.70 to 91.70): VU034277.D (-3337) (-)

Ion 92.00 (91.70 to 92.70): VU034277.D (-3337) (-)

Ion 134.00 (133.70 to 134.70): VU034277.D (-3337) (-)



#90

Hexachloroethane

Concen: 52.170 ug/l

RT: 12.12 min Scan# 3431

Delta R.T. 0.00 min

Lab File: VU034277.D

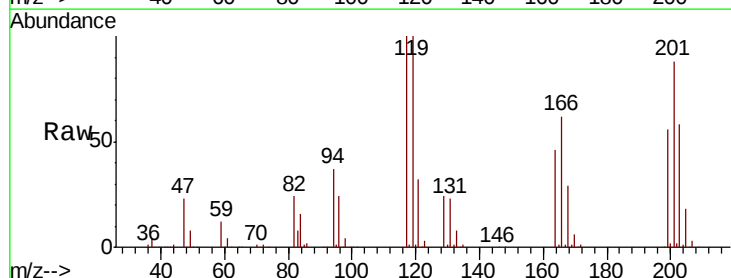
Acq: 05 Sep 2019 11:40

Tgt Ion: 117 Resp: 153044

Ion Ratio Lower Upper

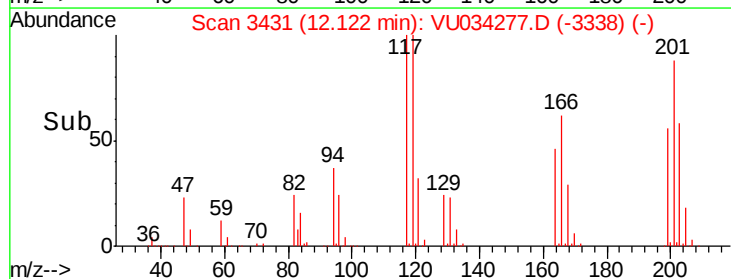
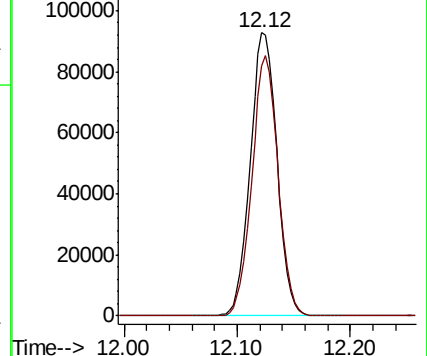
117 100

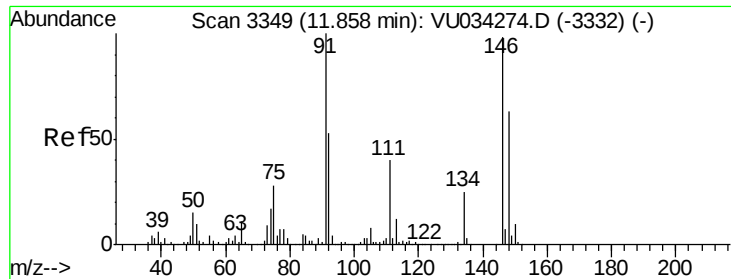
201 89.1 44.1 132.4



Abundance Ion 116.80 (116.50 to 117.50): VU034277.D (-3417) (-)

Ion 200.70 (200.40 to 201.40): VU034277.D (-3417) (-)

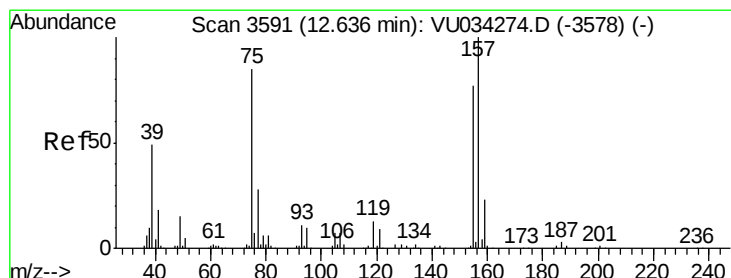
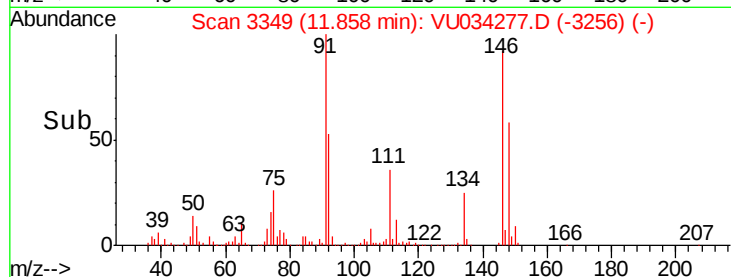
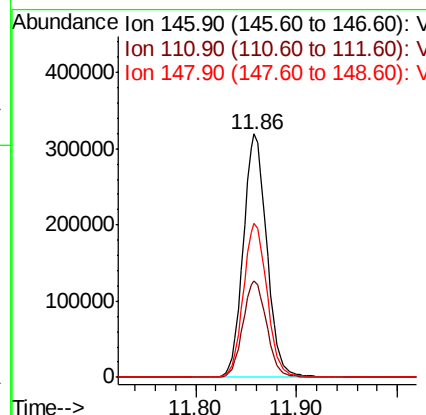
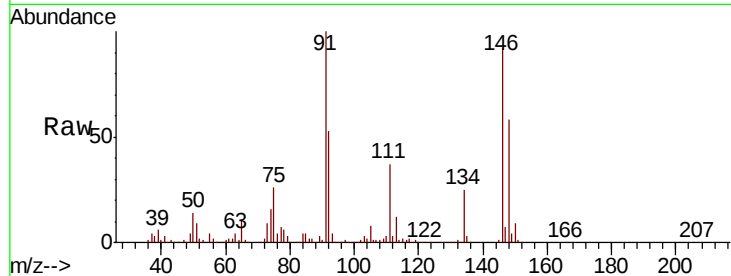




#91
 1,2-Dichlorobenzene
 Concen: 50.902 ug/l
 RT: 11.86 min Scan# 3349
 Delta R.T. 0.00 min
 Lab File: VU034277.D
 Acq: 05 Sep 2019 11:40

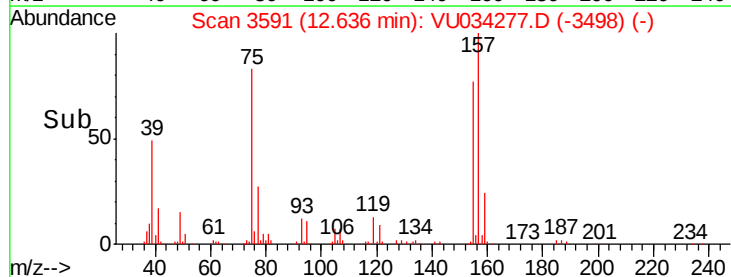
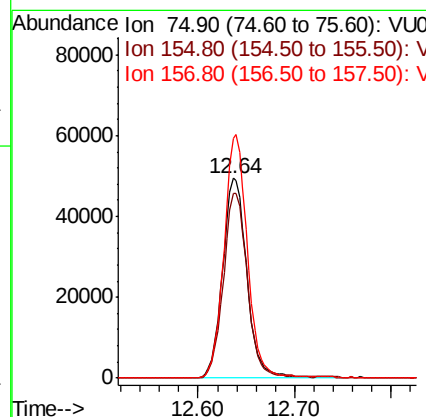
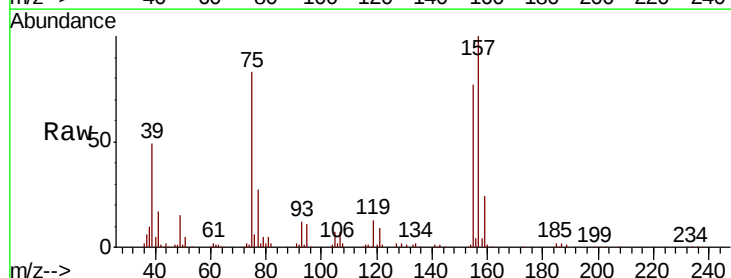
Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU090619

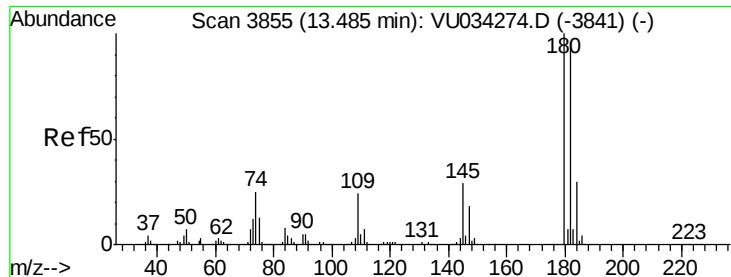
Tgt Ion: 146 Resp: 513368
 Ion Ratio Lower Upper
 146 100
 111 40.1 20.0 60.0
 148 64.3 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.965 ug/l
 RT: 12.64 min Scan# 3591
 Delta R.T. 0.00 min
 Lab File: VU034277.D
 Acq: 05 Sep 2019 11:40

Tgt Ion: 75 Resp: 86715
 Ion Ratio Lower Upper
 75 100
 155 90.9 44.6 134.0
 157 116.2 58.2 174.6

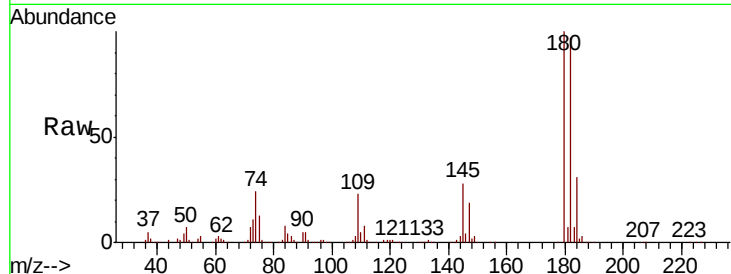




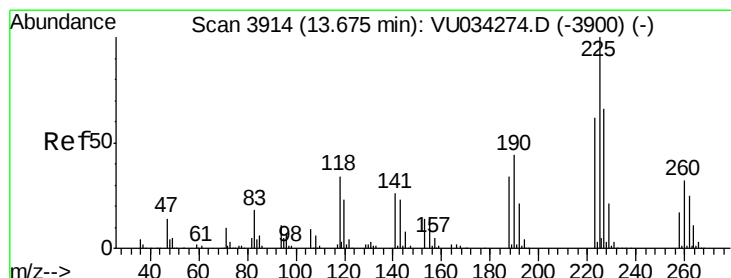
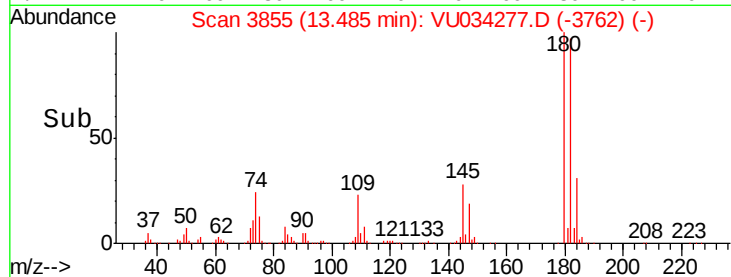
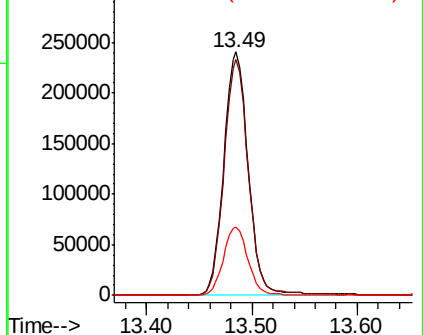
#93
 1,2,4-Trichlorobenzene
 Concen: 52.812 ug/l
 RT: 13.49 min Scan# 3855
 Delta R.T. 0.00 min
 Lab File: VU034277.D
 Acq: 05 Sep 2019 11:40

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU090619

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.9	143.8
145	28.0	14.4	43.0

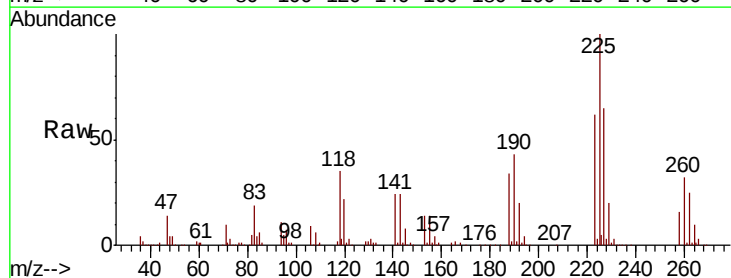


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

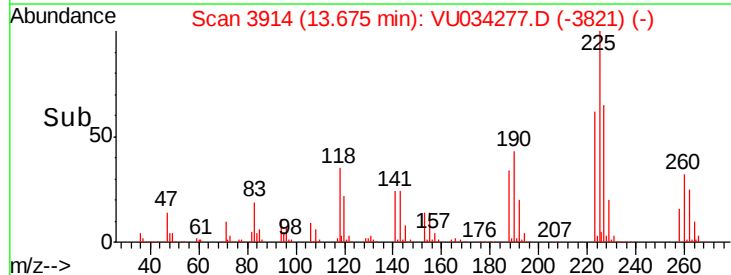
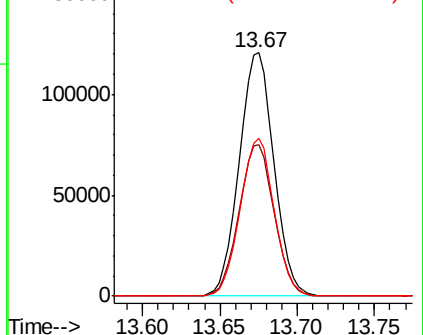


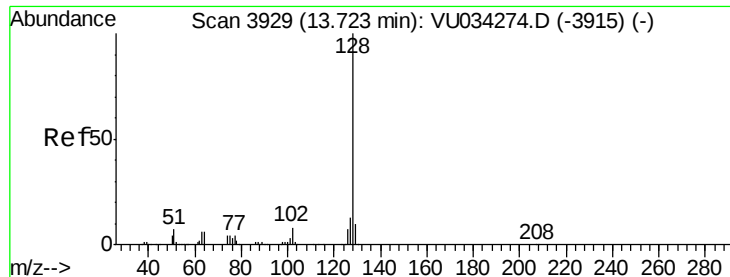
#94
 Hexachlorobutadiene
 Concen: 53.445 ug/l
 RT: 13.67 min Scan# 3914
 Delta R.T. 0.00 min
 Lab File: VU034277.D
 Acq: 05 Sep 2019 11:40

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.6	94.7
227	63.5	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

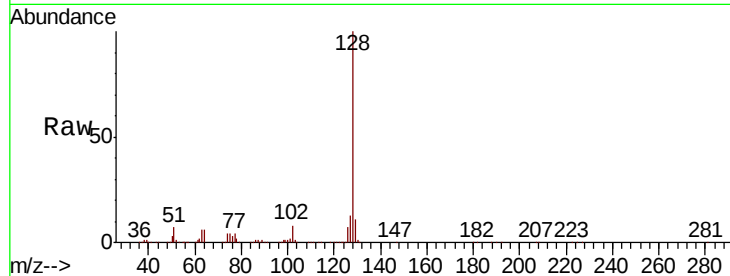




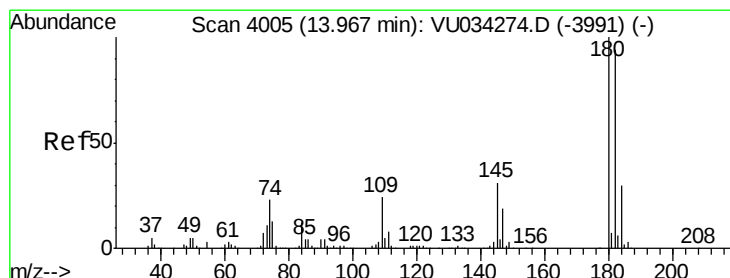
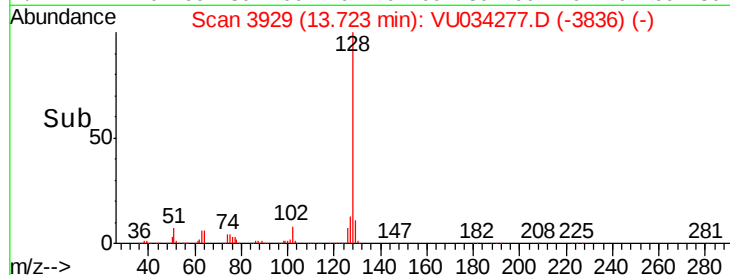
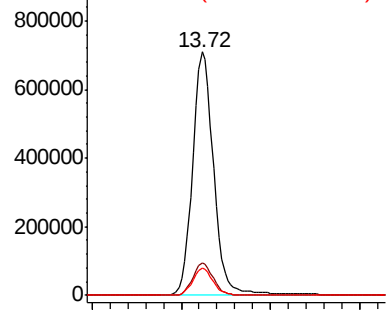
#95
Naphthalene
Concen: 55.951 ug/l
RT: 13.72 min Scan# 3929
Delta R.T. 0.00 min
Lab File: VU034277.D
Acq: 05 Sep 2019 11:40

Instrument :
MSVOA_U
ClientSampleId :
ICVVU090619

Tgt Ion:128 Resp: 1163044
Ion Ratio Lower Upper
128 100
127 13.0 10.6 15.8
129 10.5 8.4 12.6

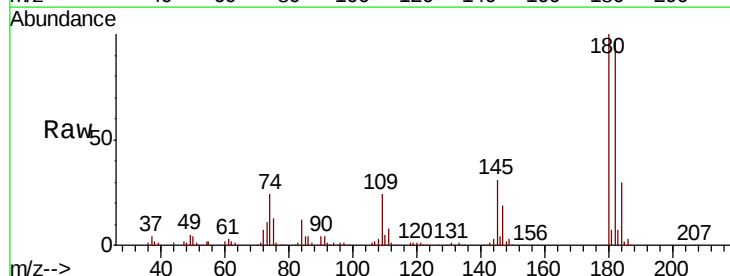


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 53.929 ug/l
RT: 13.97 min Scan# 4005
Delta R.T. 0.00 min
Lab File: VU034277.D
Acq: 05 Sep 2019 11:40

Tgt Ion:180 Resp: 382554
Ion Ratio Lower Upper
180 100
182 96.1 48.4 145.0
145 30.9 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

