

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091219\
 Data File : VU034519.D
 Acq On : 12 Sep 2019 14:38
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Sep 13 07:08:44 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	243089	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	346712	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	343944	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	233791	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	190162	51.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.40%	
35) Dibromofluoromethane	4.86	113	171494	53.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.32%	
50) Toluene-d8	7.54	98	637319	52.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.16%	
62) 4-Bromofluorobenzene	10.29	95	245346	52.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	120808	47.518	ug/l	98
3) Chloromethane	1.32	50	142467	51.872	ug/l	98
4) Vinyl Chloride	1.40	62	153448	48.436	ug/l	99
5) Bromomethane	1.61	94	92759	58.405	ug/l	98
6) Chloroethane	1.69	64	100958	54.927	ug/l	99
7) Trichlorofluoromethane	1.88	101	219160	51.593	ug/l	97
8) Diethyl Ether	2.09	74	100363	53.713	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.28	101	147121	52.292	ug/l	99
10) Methyl Iodide	2.40	142	137371	53.109	ug/l	100
11) Tert butyl alcohol	2.81	59	213302	274.509	ug/l	99
12) 1,1-Dichloroethene	2.27	96	136679	51.678	ug/l	97
13) Acrolein	2.18	56	110187	168.718	ug/l	100
14) Allyl chloride	2.58	41	224793	44.457	ug/l	89
15) Acrylonitrile	2.92	53	552884	285.730	ug/l	98
16) Acetone	2.31	43	500461	262.937	ug/l	98
17) Carbon Disulfide	2.47	76	259694	43.688	ug/l	99
18) Methyl Acetate	2.60	43	246331	53.188	ug/l	97
19) Methyl tert-butyl Ether	2.98	73	550554	57.110	ug/l	100
20) Methylene Chloride	2.69	84	176336	56.615	ug/l	98
21) trans-1,2-Dichloroethene	2.97	96	143151	51.362	ug/l	99
22) Diisopropyl ether	3.55	45	561091	56.902	ug/l	98
23) Vinyl Acetate	3.50	43	2303660	286.805	ug/l	99
24) 1,1-Dichloroethane	3.43	63	314901	53.475	ug/l	100
25) 2-Butanone	4.24	43	738330	290.598	ug/l	99
26) 2,2-Dichloropropane	4.20	77	261097	55.128	ug/l	100
27) cis-1,2-Dichloroethene	4.20	96	186974	55.235	ug/l	98
28) Bromochloromethane	4.52	49	149407	55.161	ug/l	98
29) Tetrahydrofuran	4.61	42	446275	288.656	ug/l	99
30) Chloroform	4.65	83	320198	53.494	ug/l	99
31) Cyclohexane	4.97	56	212052	49.222	ug/l	100
32) 1,1,1-Trichloroethane	4.89	97	261529	54.648	ug/l	99
36) 1,1-Dichloropropene	5.12	75	200174	53.236	ug/l	100
37) Ethyl Acetate	4.36	43	258226	58.085	ug/l	99
38) Carbon Tetrachloride	5.11	117	221679	55.216	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	210057	52.259	ug/l	99
40) Benzene	5.37	78	662339	54.590	ug/l	99
41) Methacrylonitrile	4.52	41	142649	60.239	ug/l	99
42) 1,2-Dichloroethane	5.38	62	233434	55.415	ug/l	99
43) Isopropyl Acetate	5.53	43	400067	57.686	ug/l	99
44) Trichloroethene	6.16	130	182168	54.258	ug/l	97
45) 1,2-Dichloropropane	6.41	63	199196	56.159	ug/l	99
46) Dibromomethane	6.54	93	125296	56.276	ug/l	99
47) Bromodichloromethane	6.73	83	261764	57.117	ug/l	98
48) Methyl methacrylate	6.60	41	188375	57.188	ug/l	98
49) 1,4-Dioxane	6.59	88	74925	1041.667	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	1412362	294.209	ug/l	100
52) Toluene	7.62	92	424744	55.806	ug/l	97
53) t-1,3-Dichloropropene	7.86	75	273777	57.627	ug/l	98
54) cis-1,3-Dichloropropene	7.25	75	300972	57.722	ug/l	99
55) 1,1,2-Trichloroethane	8.04	97	198213	57.353	ug/l	99
56) Ethyl methacrylate	8.00	69	288398	54.623	ug/l	98
57) 1,3-Dichloropropane	8.22	76	320300	56.916	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	452948	254.647	ug/l	100
59) 2-Hexanone	8.34	43	1077722	300.514	ug/l	100
60) Dibromochloromethane	8.45	129	219583	59.236	ug/l	99
61) 1,2-Dibromoethane	8.57	107	194604	57.530	ug/l	99
64) Tetrachloroethene	8.21	164	161023	53.964	ug/l	98
65) Chlorobenzene	9.10	112	497387	57.001	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.19	131	192160	57.703	ug/l	99
67) Ethyl Benzene	9.23	91	831630	58.288	ug/l	99
68) m/p-Xylenes	9.35	106	651461	121.256	ug/l	99
69) o-Xylene	9.76	106	316457	60.230	ug/l	99
70) Styrene	9.77	104	574798	62.397	ug/l	99
71) Bromoform	9.94	173	174504	60.463	ug/l #	99
73) Isopropylbenzene	10.14	105	880396	57.865	ug/l	99
74) N-amyl acetate	9.99	43	365725	59.717	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.43	83	344397	55.922	ug/l	99
76) 1,2,3-Trichloropropane	10.47	75	375010	73.485	ug/l	84
77) Bromobenzene	10.43	156	239532	56.305	ug/l	99
78) n-propylbenzene	10.57	91	1020618	58.084	ug/l	100
79) 2-Chlorotoluene	10.64	91	613820	57.252	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	767896	60.348	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.47	75	375010	247.124	ug/l #	100
82) 4-Chlorotoluene	10.75	91	707133	57.313	ug/l	99
83) tert-Butylbenzene	11.08	119	741552	58.255	ug/l	100
84) 1,2,4-Trimethylbenzene	11.13	105	768564	60.003	ug/l	99
85) sec-Butylbenzene	11.30	105	888631	59.132	ug/l	99
86) p-Isopropyltoluene	11.45	119	829030	59.769	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	435517	56.102	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	444099	54.847	ug/l	100
89) n-Butylbenzene	11.86	91	722770	59.962	ug/l	100
90) Hexachloroethane	12.12	117	125245	56.439	ug/l	99
91) 1,2-Dichlorobenzene	11.85	146	435956	57.142	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.63	75	69403	61.328	ug/l	99

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Quant Title : SW846 8260
QLast Update : Fri Sep 06 05:10:13 2019
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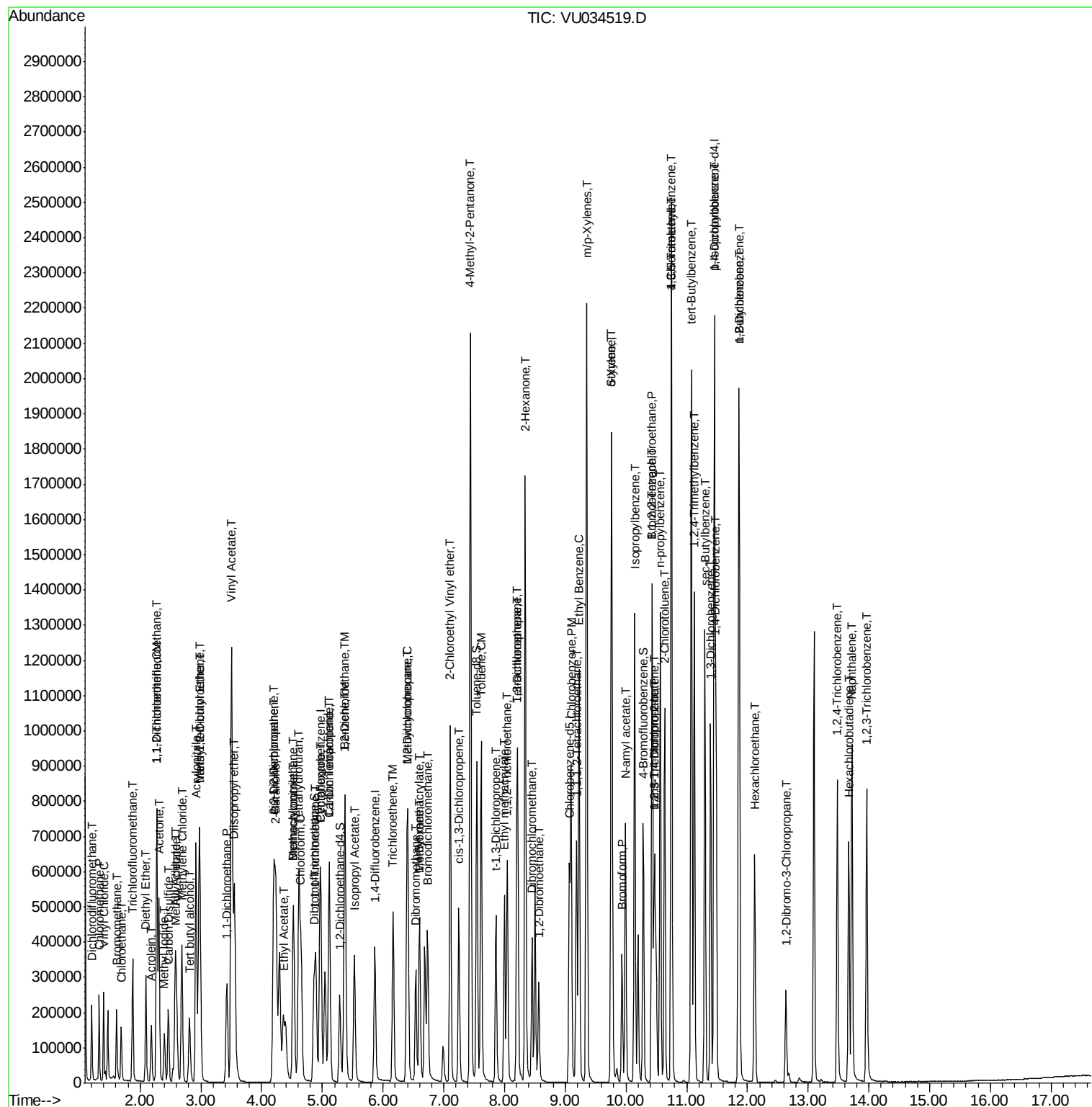
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	294408	52.986	ug/l	99
94) Hexachlorobutadiene	13.67	225	139297	52.197	ug/l	98
95) Naphthalene	13.72	128	820674	52.457	ug/l	99
96) 1,2,3-Trichlorobenzene	13.96	180	294523	54.839	ug/l	99

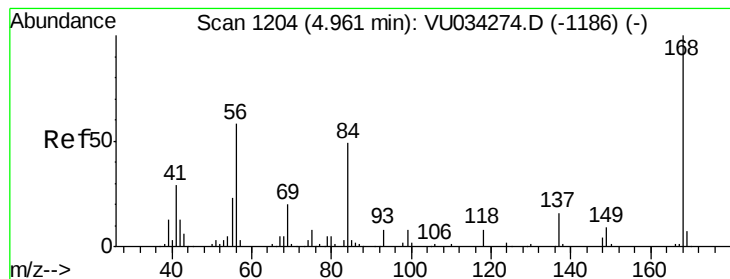
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

Instrument :

MSVOA_U

ClientSampleId :

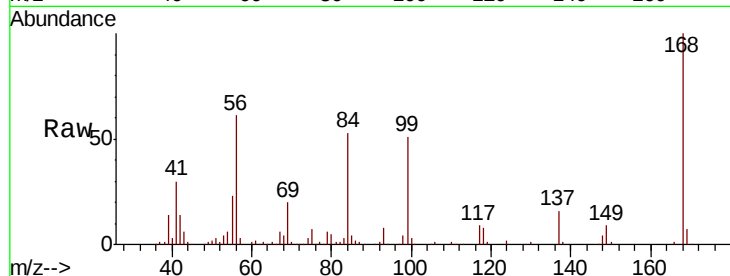
VSTDCCC050EC

Tgt Ion:168 Resp: 243089

Ion Ratio Lower Upper

168 100

99 50.8 41.6 62.4



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

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

4.96

120000

100000

80000

60000

40000

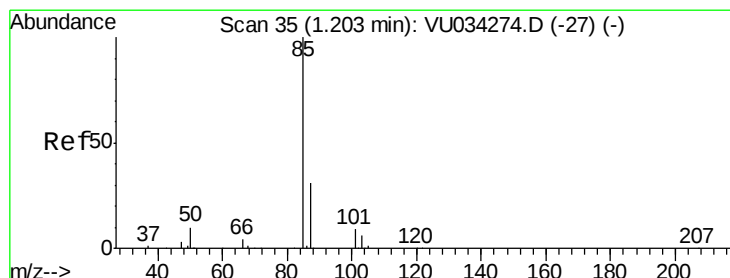
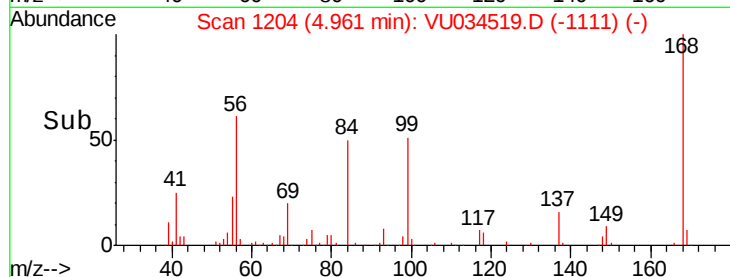
20000

0

4.90

5.00

Time-->



#2

Dichlorodifluoromethane

Concen: 47.518 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034519.D

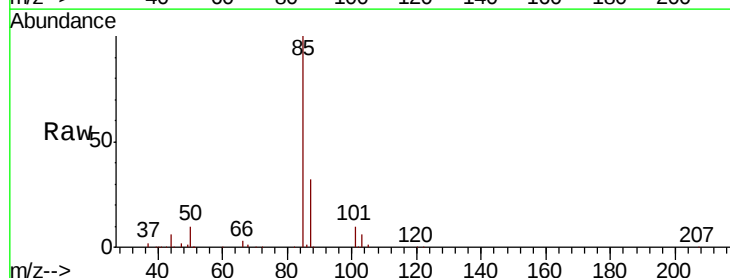
Acq: 12 Sep 2019 14:38

Tgt Ion: 85 Resp: 120808

Ion Ratio Lower Upper

85 100

87 32.1 15.7 47.0



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

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

1.20

100000

50000

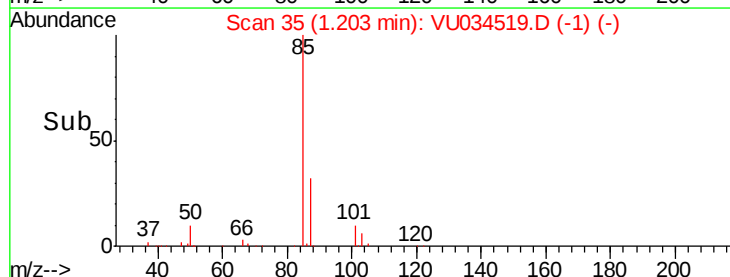
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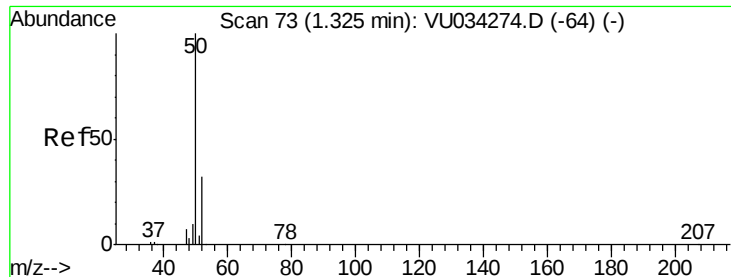
1.15

1.20

1.25

Time-->

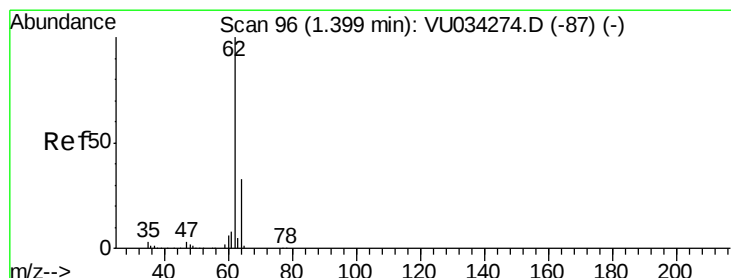
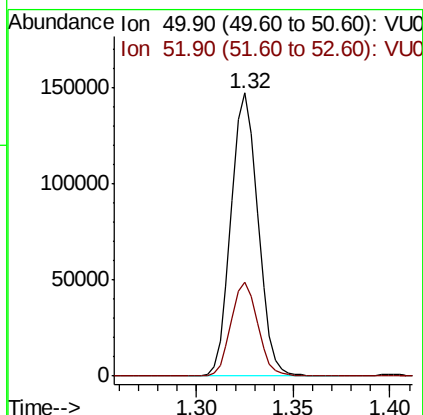
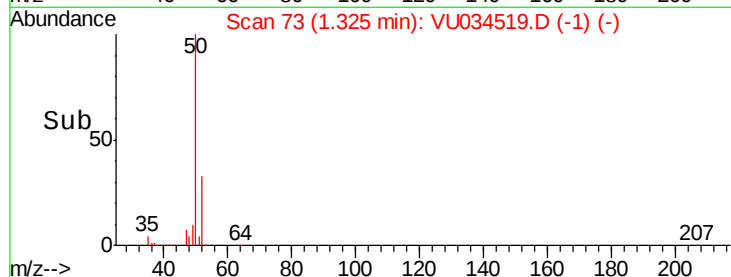
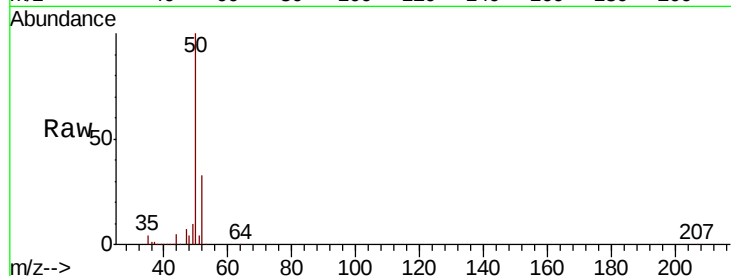




#3
Chloromethane
Concen: 51.872 ug/l
RT: 1.32 min Scan# 73
Delta R.T. 0.00 min
Lab File: VU034519.D
Acq: 12 Sep 2019 14:38

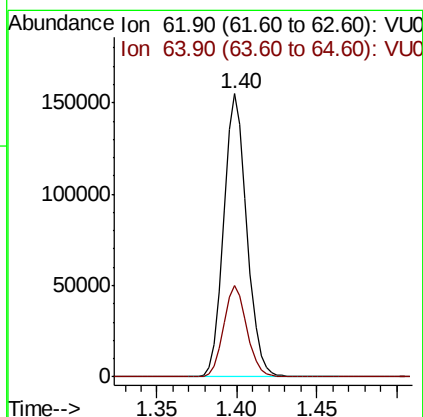
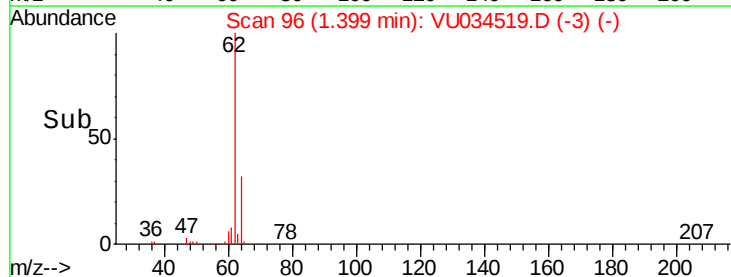
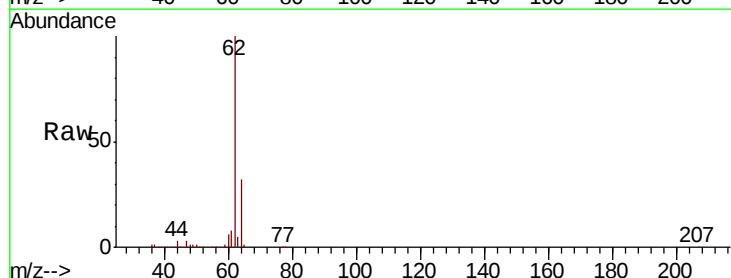
Instrument :
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ClientSampleId :
VSTDCCC050EC

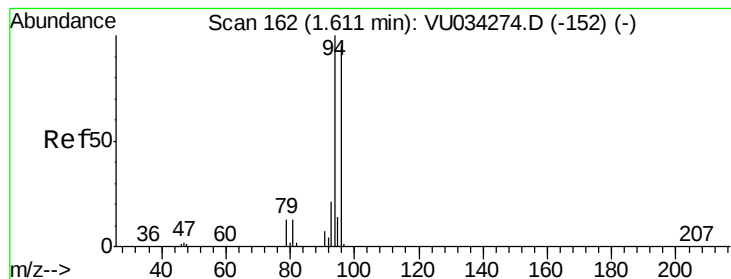
Tgt Ion: 50 Resp: 142467
Ion Ratio Lower Upper
50 100
52 33.1 25.8 38.6



#4
Vinyl Chloride
Concen: 48.436 ug/l
RT: 1.40 min Scan# 96
Delta R.T. 0.00 min
Lab File: VU034519.D
Acq: 12 Sep 2019 14:38

Tgt Ion: 62 Resp: 153448
Ion Ratio Lower Upper
62 100
64 32.4 26.2 39.4





#5

Bromomethane

Concen: 58.405 ug/l

RT: 1.61 min Scan# 162

Delta R.T. 0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

Instrument :

MSVOA_U

ClientSampleId :

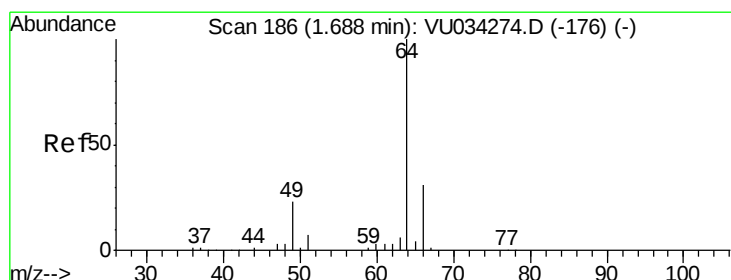
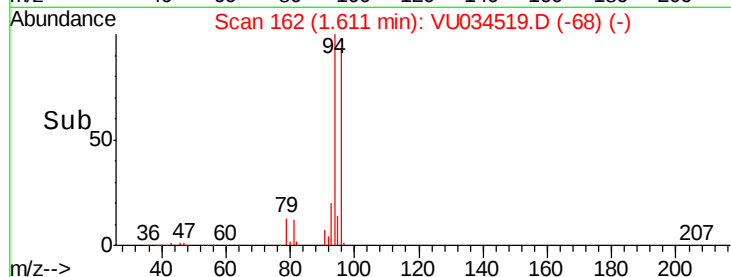
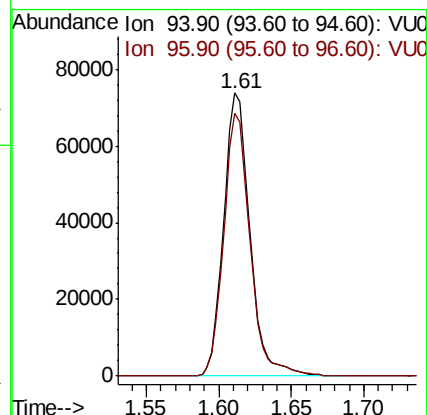
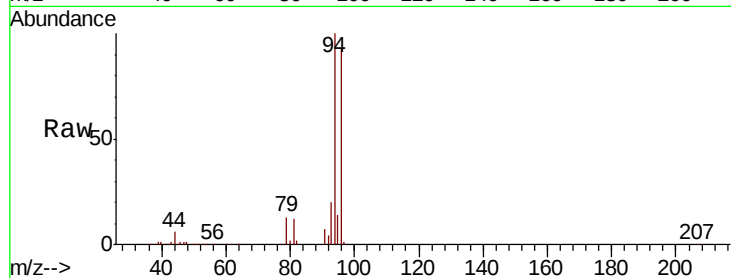
VSTDCCC050EC

Tgt Ion: 94 Resp: 92759

Ion Ratio Lower Upper

94 100

96 92.6 75.7 113.5



#6

Chloroethane

Concen: 54.927 ug/l

RT: 1.69 min Scan# 186

Delta R.T. 0.00 min

Lab File: VU034519.D

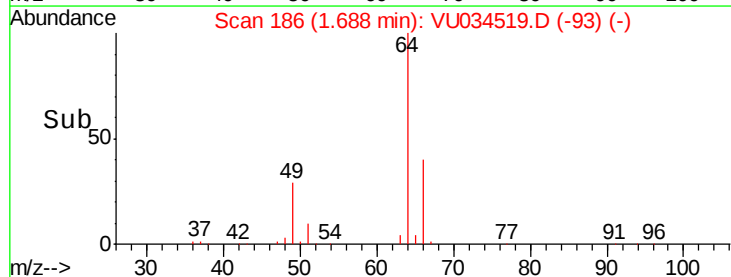
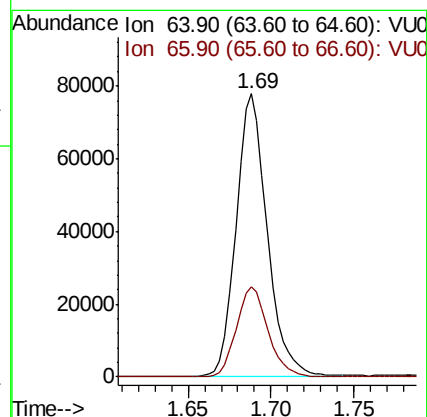
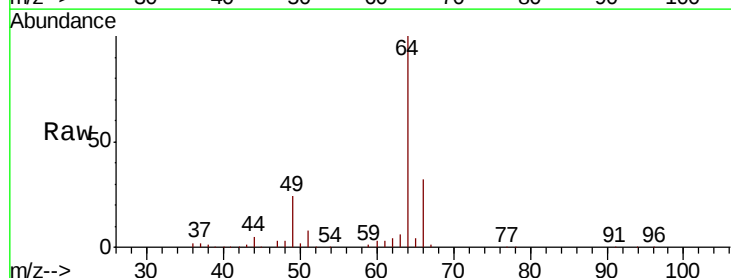
Acq: 12 Sep 2019 14:38

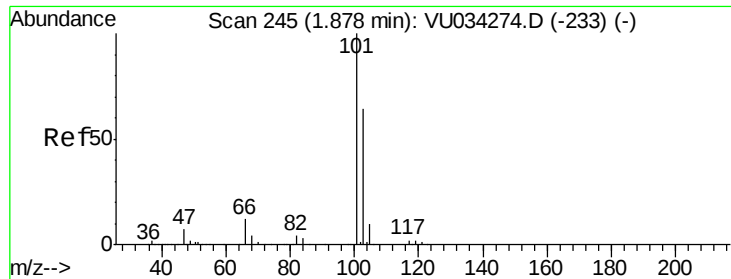
Tgt Ion: 64 Resp: 100958

Ion Ratio Lower Upper

64 100

66 31.9 25.0 37.6



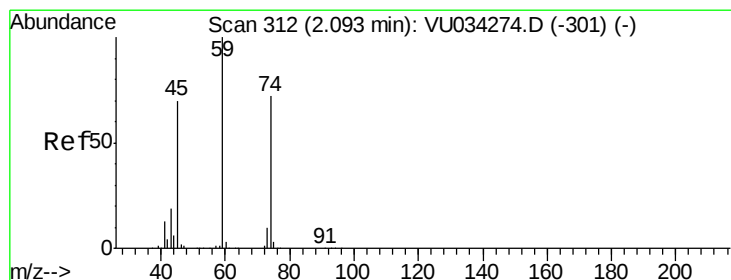
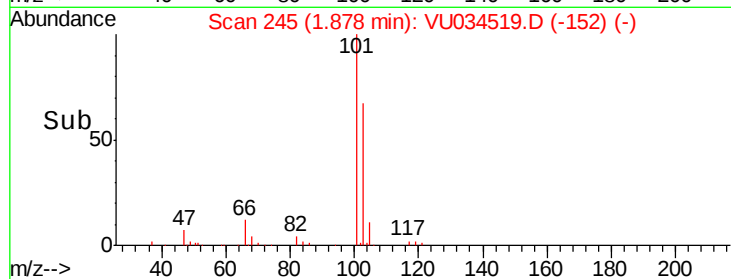
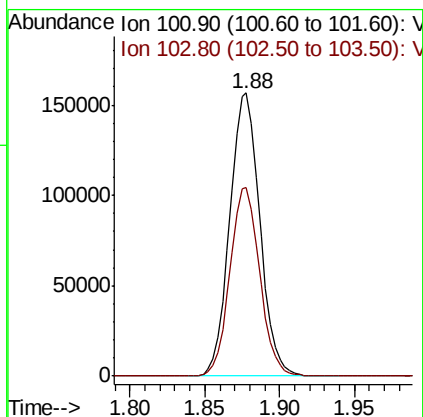
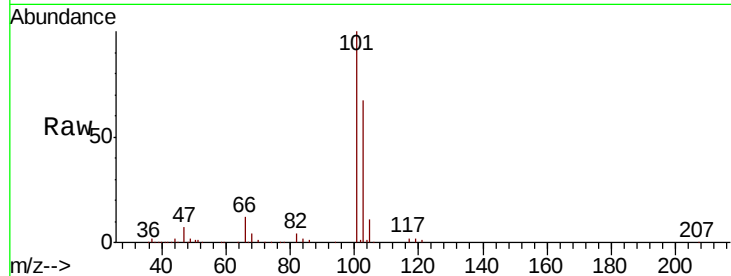


#7

Trichlorofluoromethane
 Concen: 51.593 ug/l
 RT: 1.88 min Scan# 245
 Delta R.T. 0.00 min
 Lab File: VU034519.D
 Acq: 12 Sep 2019 14:38

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 VSTDCCC050EC

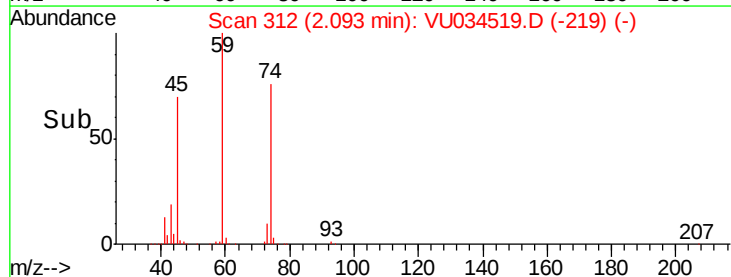
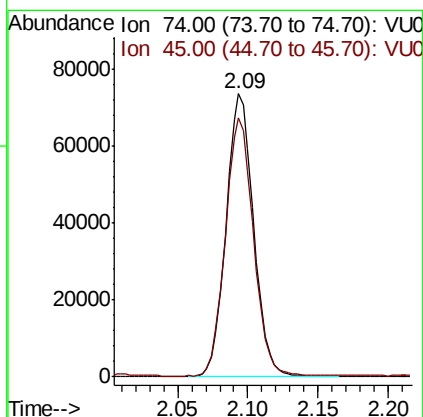
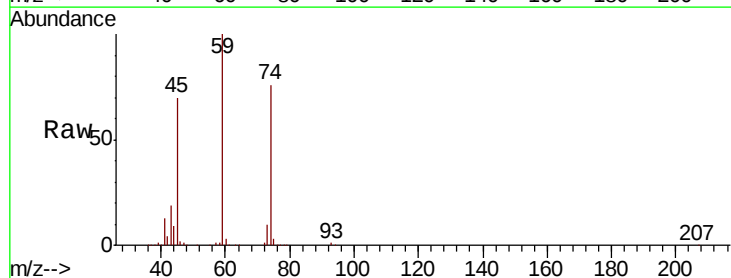
Tgt Ion:101 Resp: 219160
 Ion Ratio Lower Upper
 101 100
 103 66.5 51.0 76.6



#8

Diethyl Ether
 Concen: 53.713 ug/l
 RT: 2.09 min Scan# 312
 Delta R.T. 0.00 min
 Lab File: VU034519.D
 Acq: 12 Sep 2019 14:38

Tgt Ion: 74 Resp: 100363
 Ion Ratio Lower Upper
 74 100
 45 93.7 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.292 ug/l

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

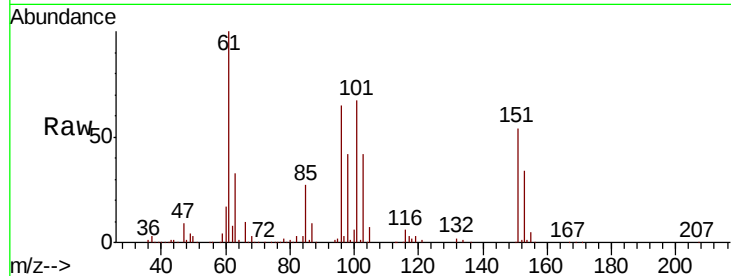
Tgt Ion:101 Resp: 147121

Ion Ratio Lower Upper

101 100

85 41.8 34.4 51.6

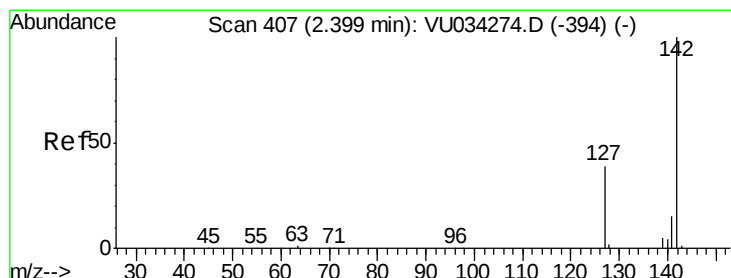
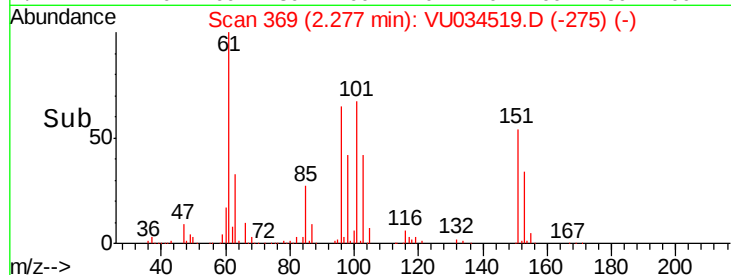
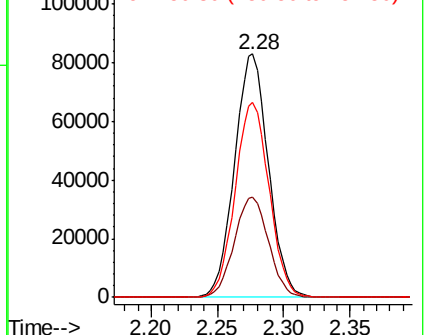
151 80.7 64.4 96.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 53.109 ug/l

RT: 2.40 min Scan# 407

Delta R.T. 0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

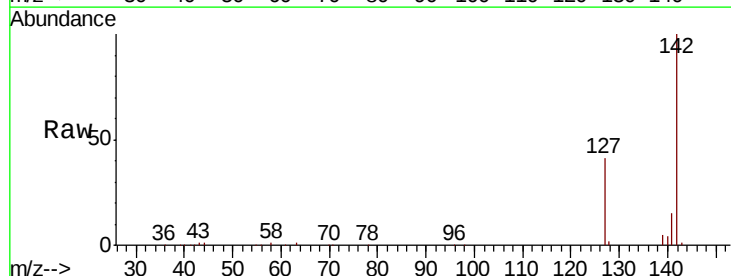
Tgt Ion:142 Resp: 137371

Ion Ratio Lower Upper

142 100

127 40.3 32.1 48.1

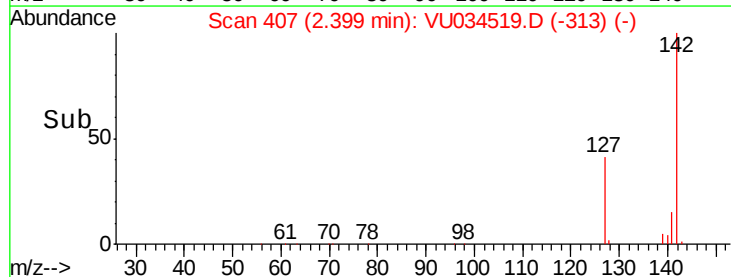
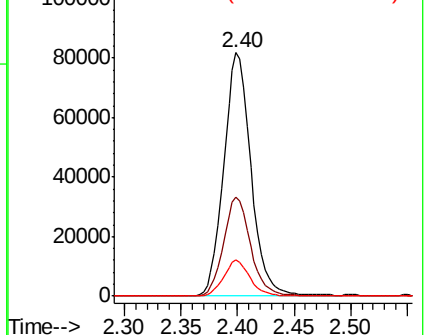
141 14.3 11.5 17.3

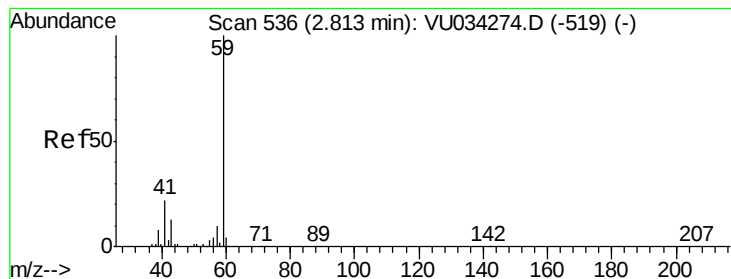


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



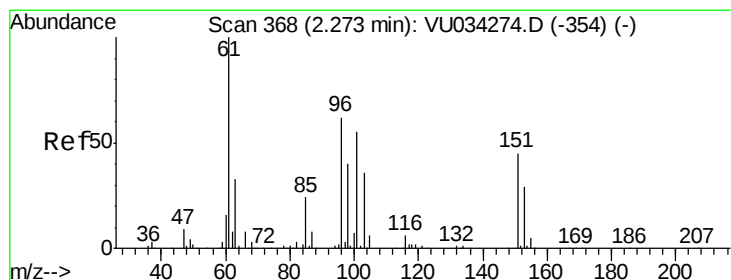
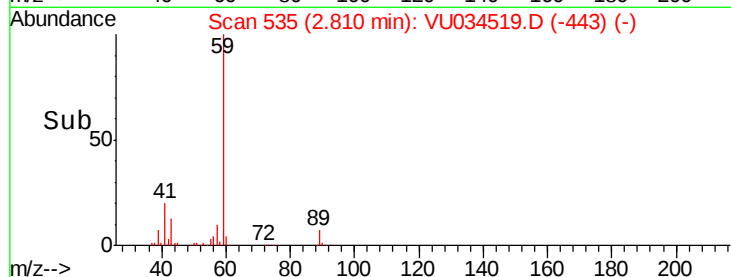
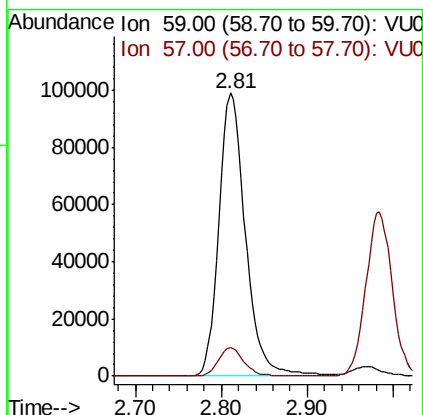
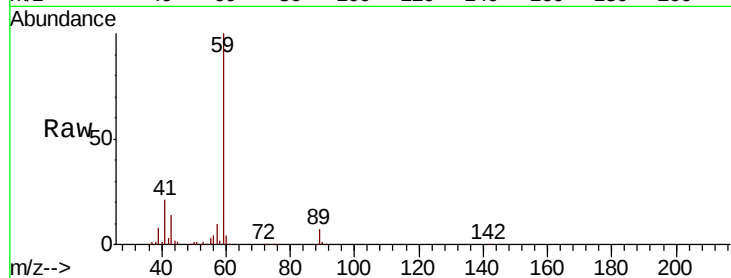


#11

Tert butyl alcohol
 Concen: 274.509 ug/l
 RT: 2.81 min Scan# 535
 Delta R.T. -0.00 min
 Lab File: VU034519.D
 Acq: 12 Sep 2019 14:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

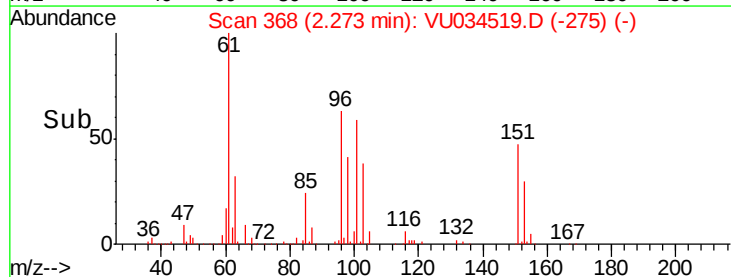
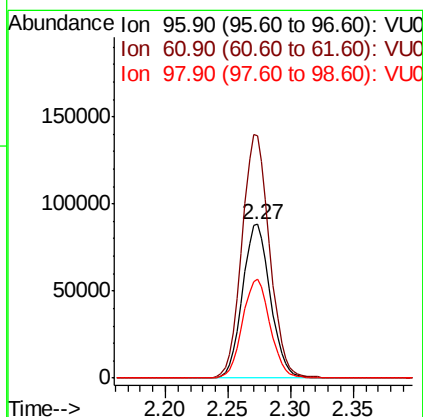
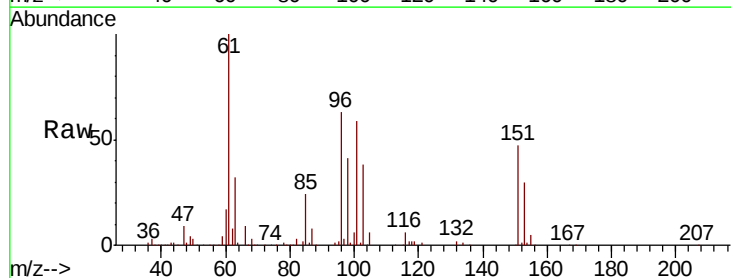
Tgt Ion: 59 Resp: 213302
 Ion Ratio Lower Upper
 59 100
 57 9.7 7.9 11.9

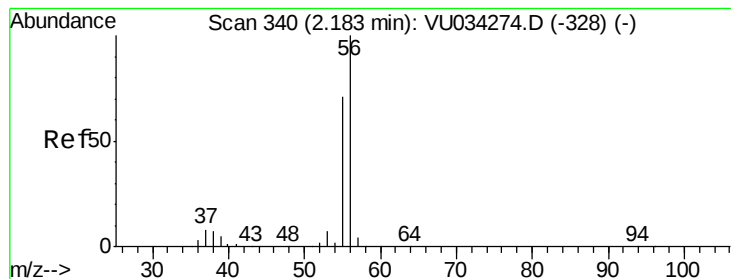


#12

1,1-Dichloroethene
 Concen: 51.678 ug/l
 RT: 2.27 min Scan# 368
 Delta R.T. 0.00 min
 Lab File: VU034519.D
 Acq: 12 Sep 2019 14:38

Tgt Ion: 96 Resp: 136679
 Ion Ratio Lower Upper
 96 100
 61 157.5 130.0 195.0
 98 64.4 52.2 78.4





#13

Acrolein

Concen: 168.718 ug/l

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

Instrument :

MSVOA_U

ClientSampleId :

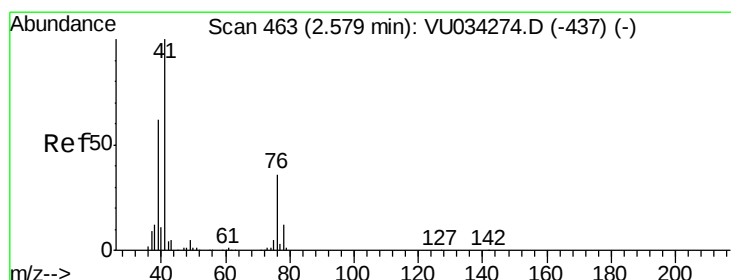
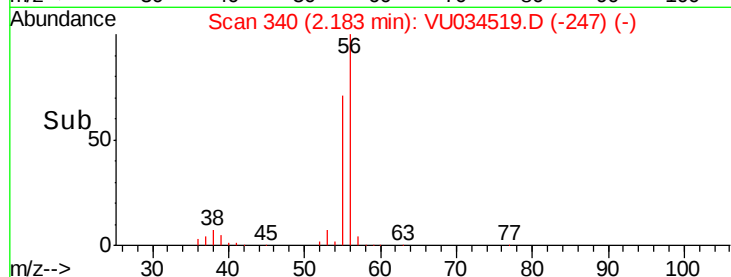
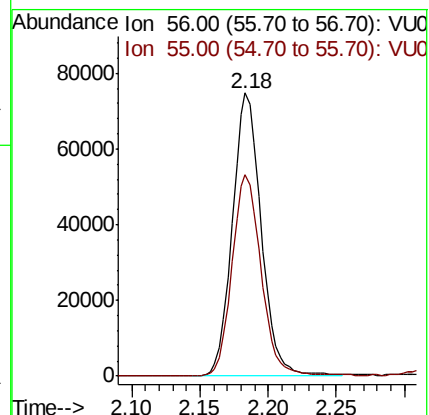
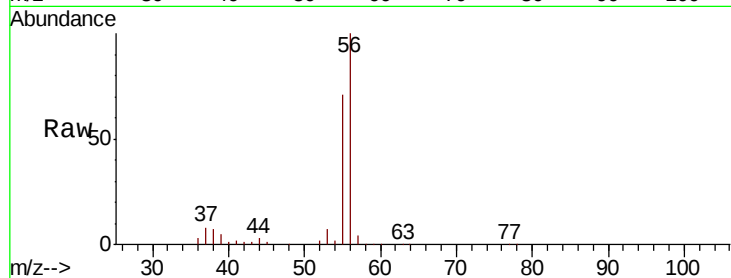
VSTDCCC050EC

Tgt Ion: 56 Resp: 110187

Ion Ratio Lower Upper

56 100

55 71.8 57.4 86.2



#14

Allyl chloride

Concen: 44.457 ug/l

RT: 2.58 min Scan# 463

Delta R.T. 0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

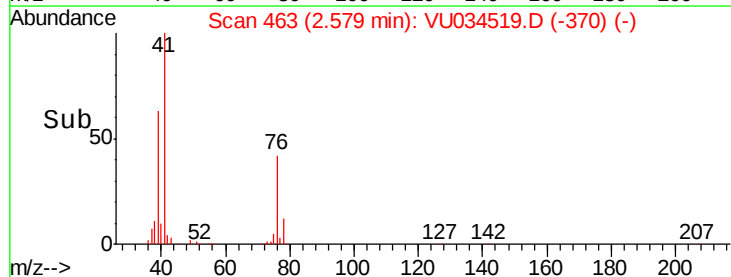
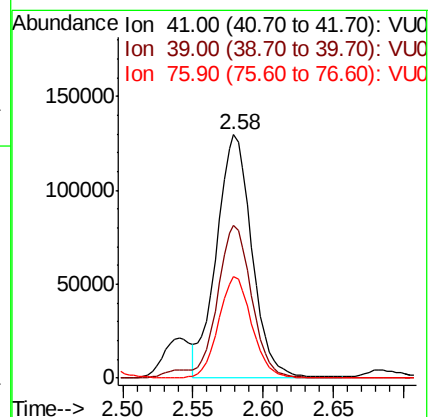
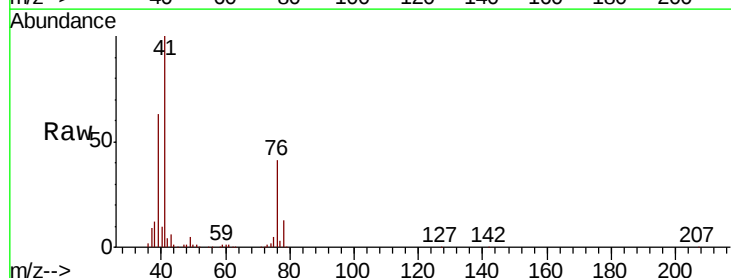
Tgt Ion: 41 Resp: 224793

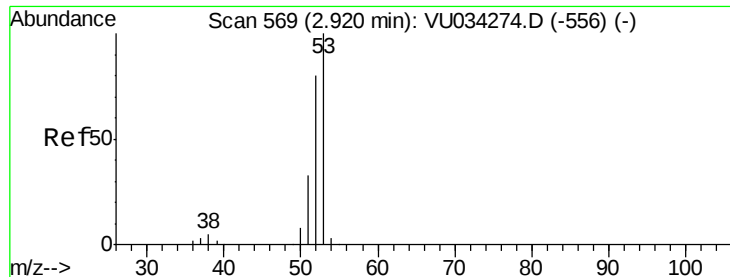
Ion Ratio Lower Upper

41 100

39 63.1 43.5 65.3

76 38.9 27.0 40.6





#15

Acrylonitrile

Concen: 285.730 ug/l

RT: 2.92 min Scan# 569

Delta R.T. 0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

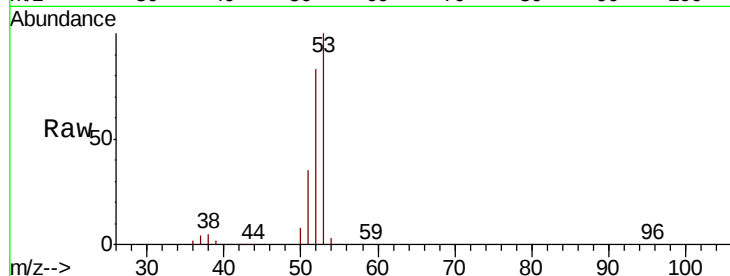
Tgt Ion: 53 Resp: 552884

Ion Ratio Lower Upper

53 100

52 81.7 64.1 96.1

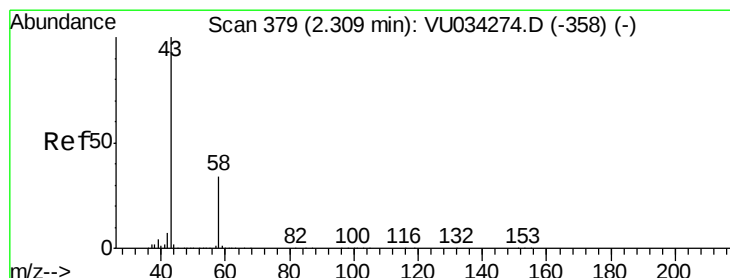
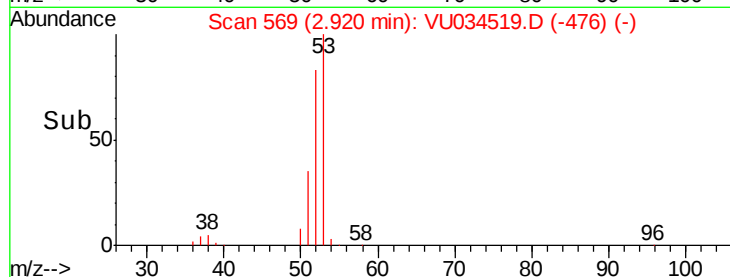
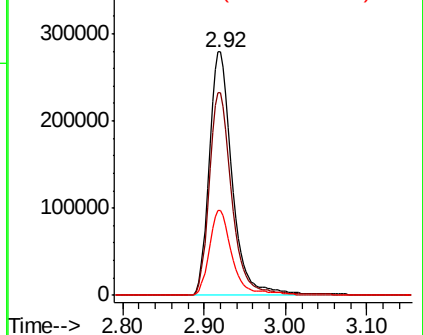
51 35.1 27.4 41.0



Abundance Ion 53.00 (52.70 to 53.70): VU034519.D (-286) (-)

Ion 52.00 (51.70 to 52.70): VU034519.D (-286) (-)

Ion 51.00 (50.70 to 51.70): VU034519.D (-286) (-)



#16

Acetone

Concen: 262.937 ug/l

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034519.D

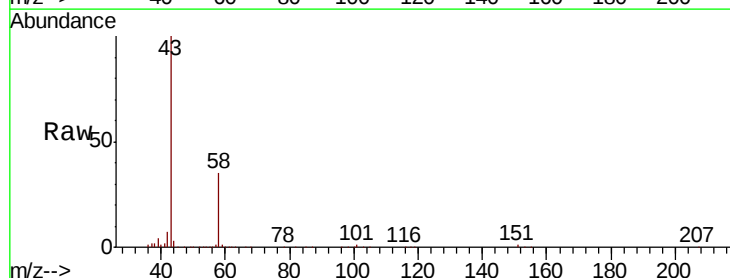
Acq: 12 Sep 2019 14:38

Tgt Ion: 43 Resp: 500461

Ion Ratio Lower Upper

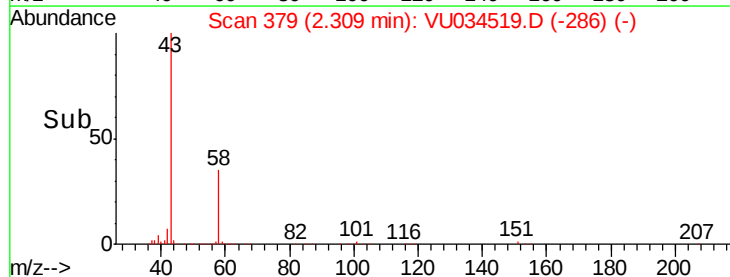
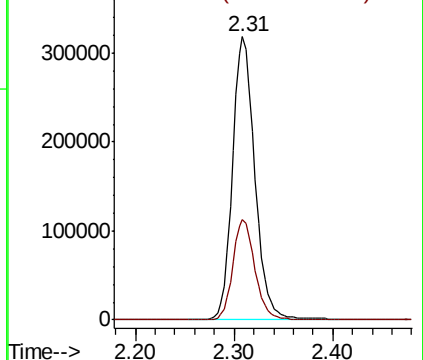
43 100

58 35.5 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VU034519.D (-286) (-)

Ion 58.00 (57.70 to 58.70): VU034519.D (-286) (-)

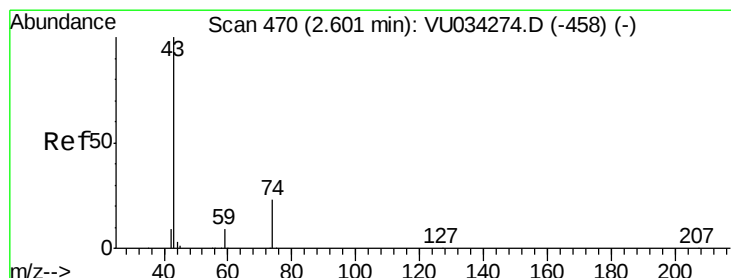
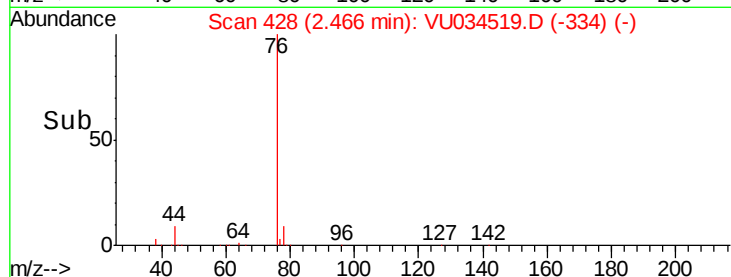
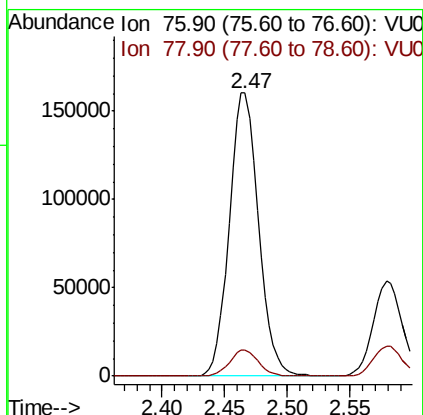
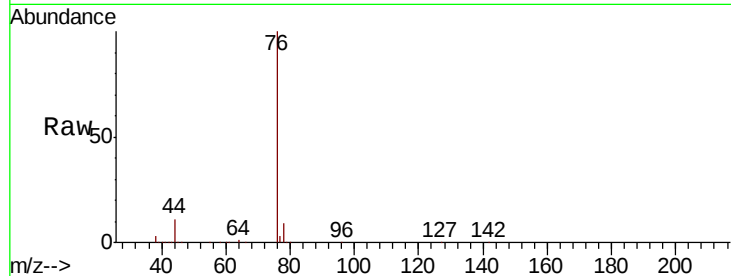




#17
Carbon Disulfide
Concen: 43.688 ug/l
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VU034519.D
Acq: 12 Sep 2019 14:38

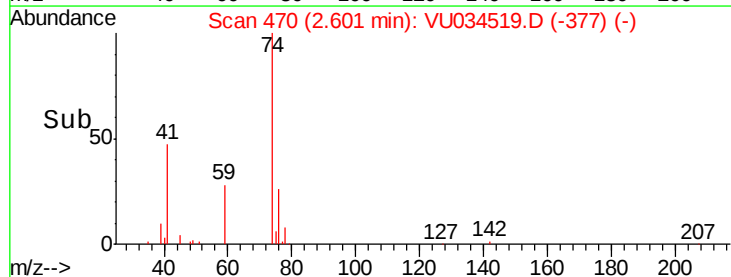
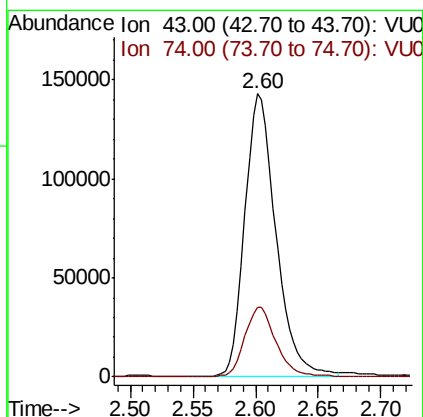
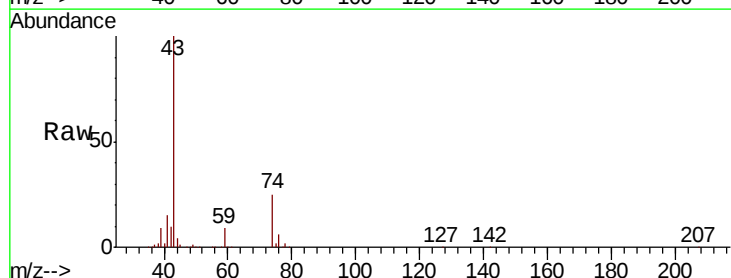
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

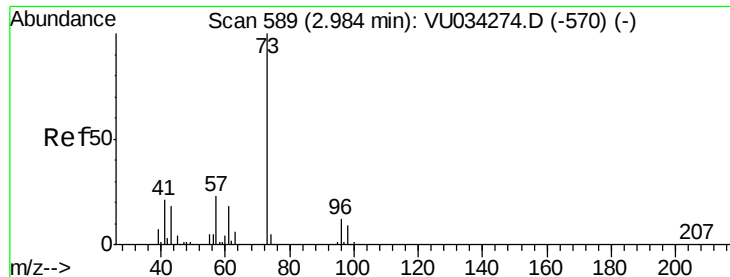
Tgt Ion: 76 Resp: 259694
Ion Ratio Lower Upper
76 100
78 9.3 7.2 10.8



#18
Methyl Acetate
Concen: 53.188 ug/l
RT: 2.60 min Scan# 470
Delta R.T. 0.00 min
Lab File: VU034519.D
Acq: 12 Sep 2019 14:38

Tgt Ion: 43 Resp: 246331
Ion Ratio Lower Upper
43 100
74 25.2 18.9 28.3



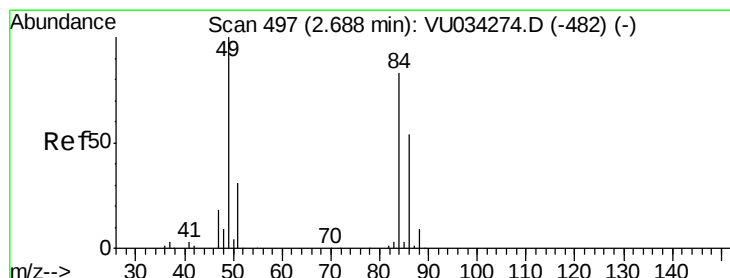
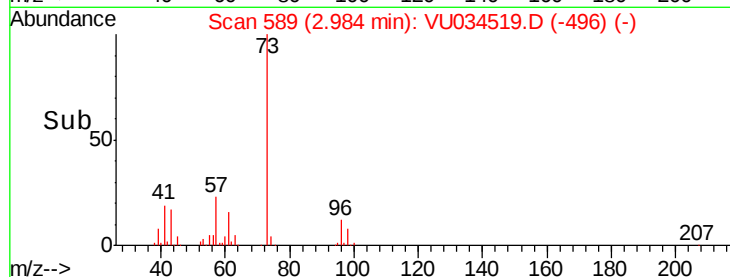
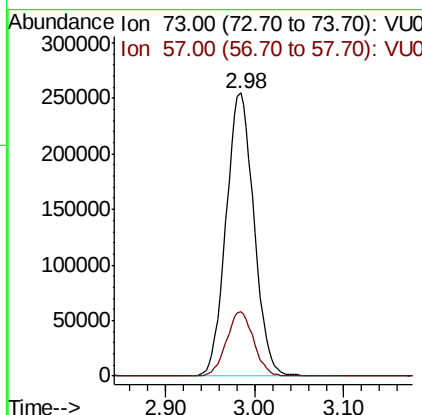
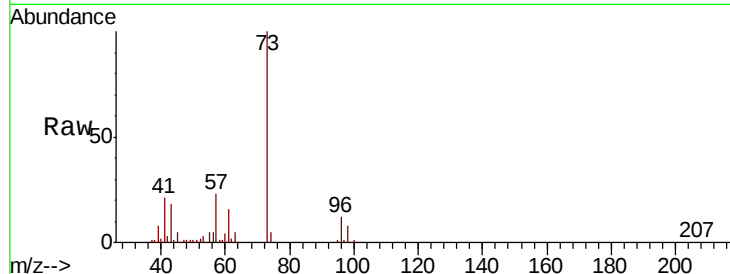


#19

Methyl tert-butyl Ether
 Concen: 57.110 ug/l
 RT: 2.98 min Scan# 589
 Delta R.T. 0.00 min
 Lab File: VU034519.D
 Acq: 12 Sep 2019 14:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

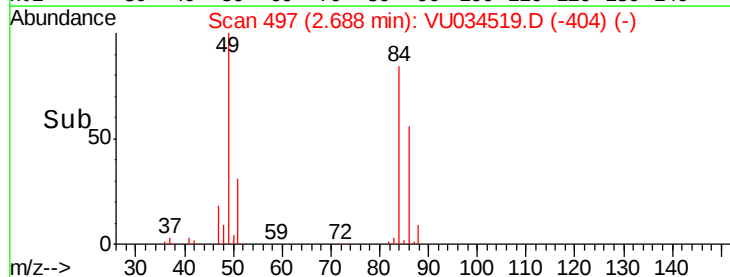
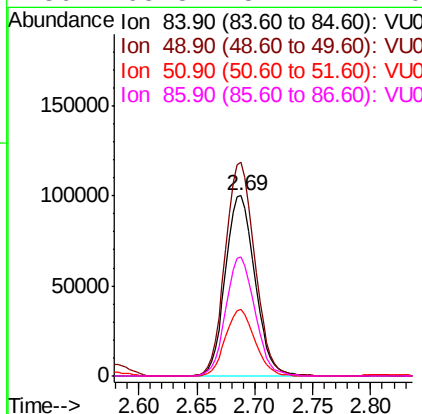
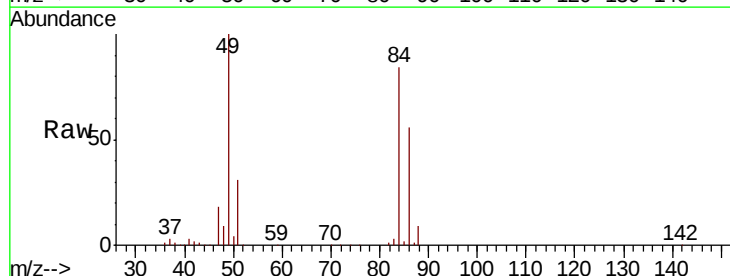
Tgt Ion: 73 Resp: 550554
 Ion Ratio Lower Upper
 73 100
 57 22.6 18.2 27.4

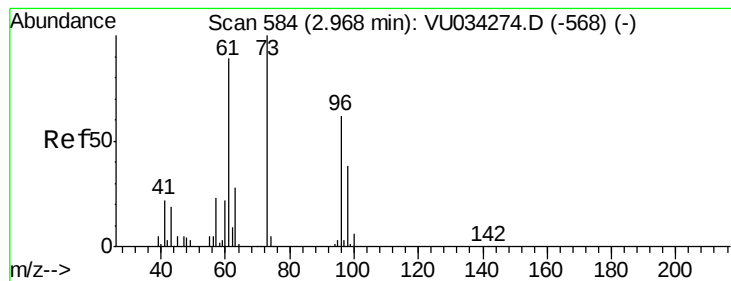


#20

Methylene Chloride
 Concen: 56.615 ug/l
 RT: 2.69 min Scan# 497
 Delta R.T. 0.00 min
 Lab File: VU034519.D
 Acq: 12 Sep 2019 14:38

Tgt Ion: 84 Resp: 176336
 Ion Ratio Lower Upper
 84 100
 49 118.4 96.0 144.0
 51 36.9 30.0 45.0
 86 65.8 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 51.362 ug/l

RT: 2.97 min Scan# 584

Delta R.T. 0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

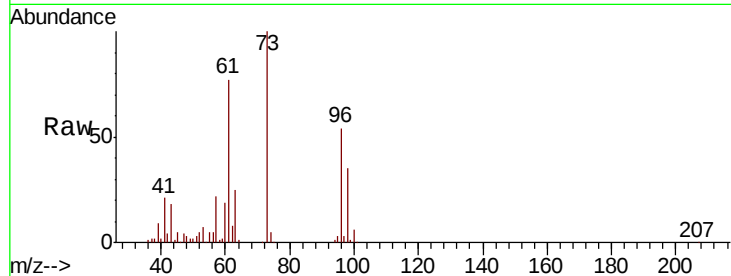
Tgt Ion: 96 Resp: 143151

Ion Ratio Lower Upper

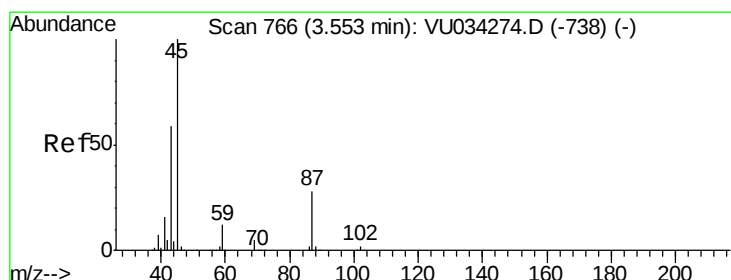
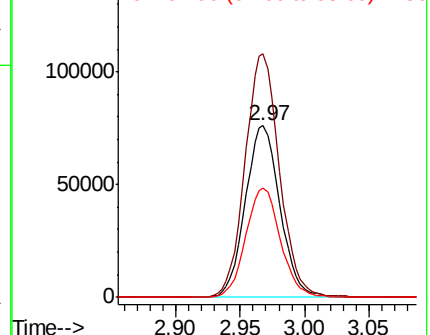
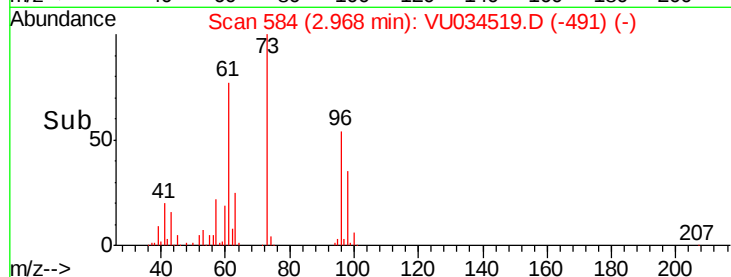
96 100

61 141.7 114.8 172.2

98 63.4 49.8 74.8



Abundance Ion 95.90 (95.60 to 96.60): VU034519.D (-491) (-)



#22

Diisopropyl ether

Concen: 56.902 ug/l

RT: 3.55 min Scan# 765

Delta R.T. -0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

Tgt Ion: 45 Resp: 561091

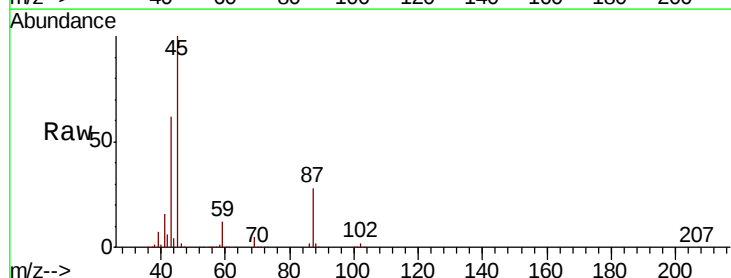
Ion Ratio Lower Upper

45 100

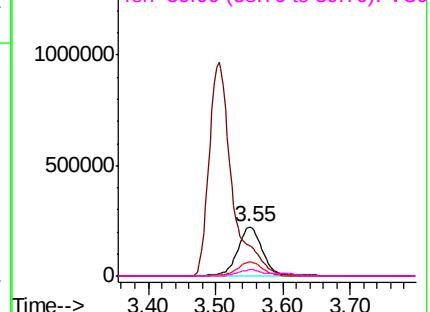
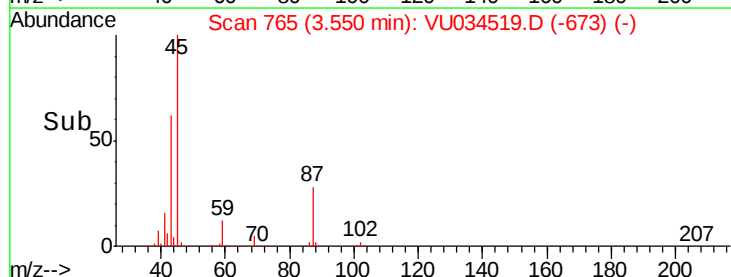
43 61.9 47.5 71.3

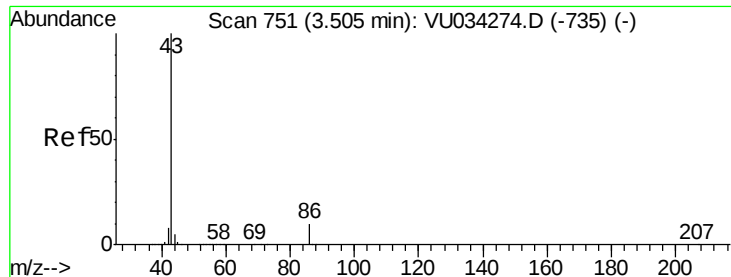
87 28.0 22.2 33.4

59 12.0 9.4 14.2



Abundance Ion 45.00 (44.70 to 45.70): VU034519.D (-673) (-)





#23

Vinyl Acetate

Concen: 286.805 ug/l

RT: 3.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

Instrument :

MSVOA_U

ClientSampleId :

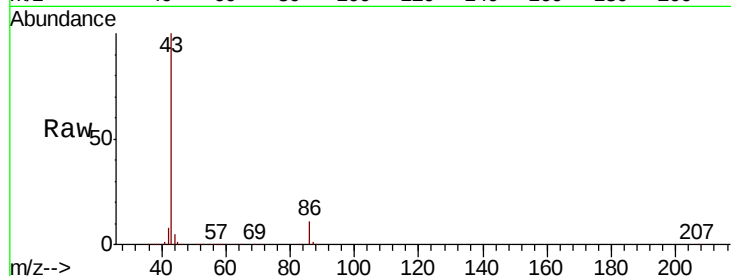
VSTDCCC050EC

Tgt Ion: 43 Resp: 2303660

Ion Ratio Lower Upper

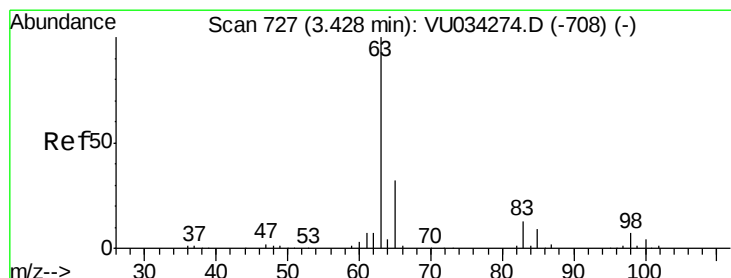
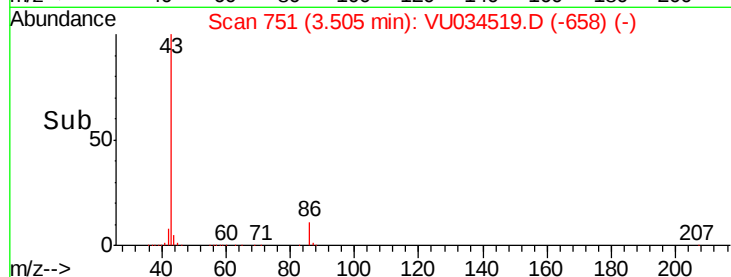
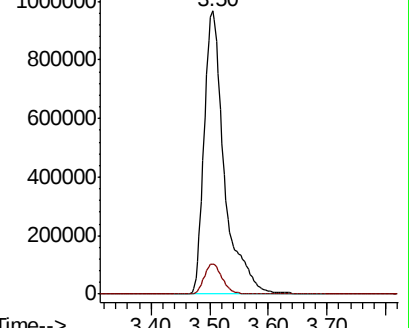
43 100

86 10.8 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VU034519.D (-658) (-)

Ion 86.00 (85.70 to 86.70): VU034519.D (-658) (-)



#24

1,1-Dichloroethane

Concen: 53.475 ug/l

RT: 3.43 min Scan# 727

Delta R.T. 0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

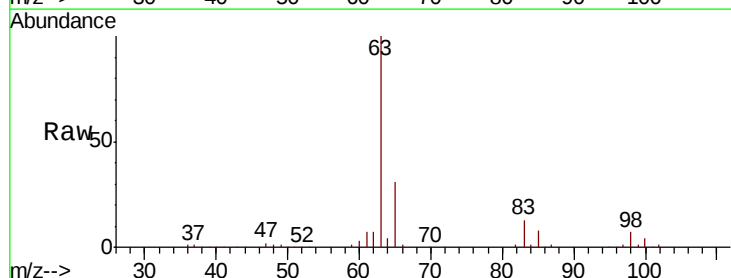
Tgt Ion: 63 Resp: 314901

Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.4

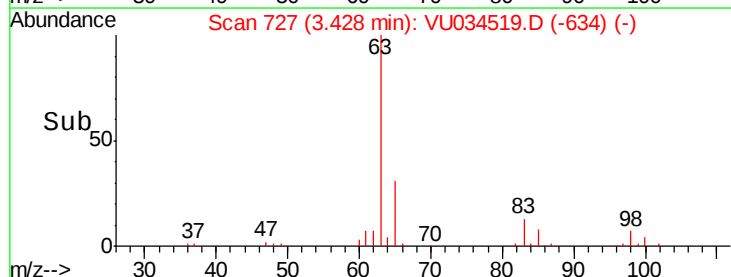
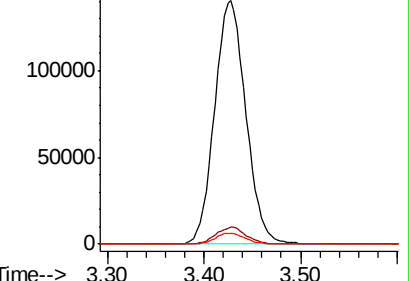
100 4.4 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VU034519.D (-634) (-)

Ion 97.90 (97.60 to 98.60): VU034519.D (-634) (-)

Ion 99.90 (99.60 to 100.60): VU034519.D (-634) (-)





#25

2-Butanone

Concen: 290.598 ug/l

RT: 4.24 min Scan# 979

Delta R.T. 0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

Instrument :

MSVOA_U

ClientSampleId :

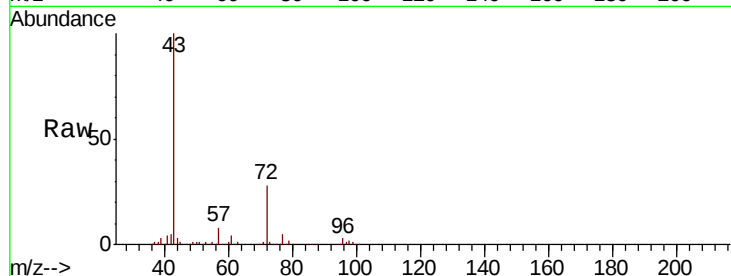
VSTDCCC050EC

Tgt Ion: 43 Resp: 738330

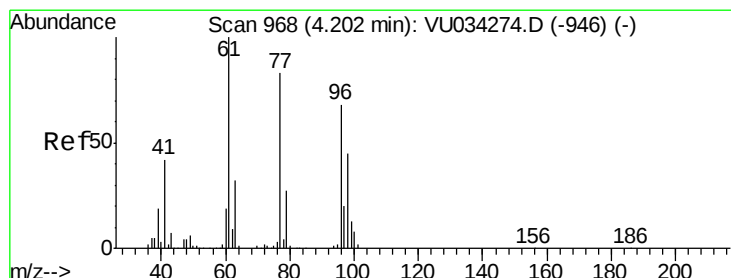
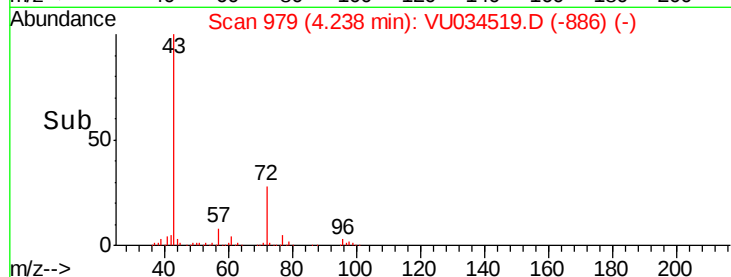
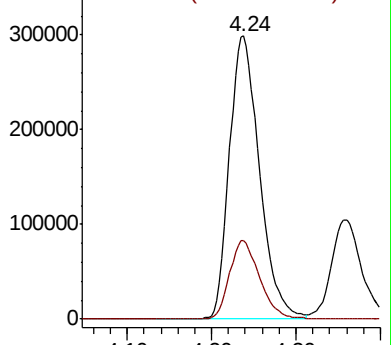
Ion Ratio Lower Upper

43 100

72 27.9 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VU034519.D (-886) (-)



#26

2,2-Dichloropropane

Concen: 55.128 ug/l

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU034519.D

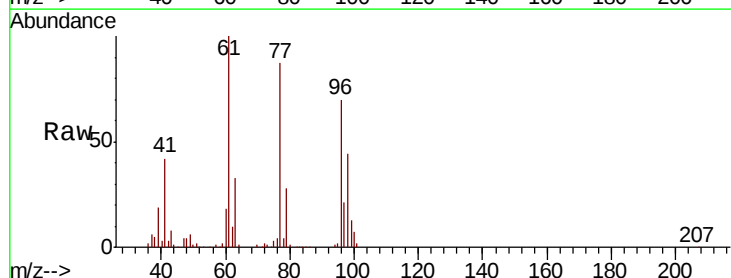
Acq: 12 Sep 2019 14:38

Tgt Ion: 77 Resp: 261097

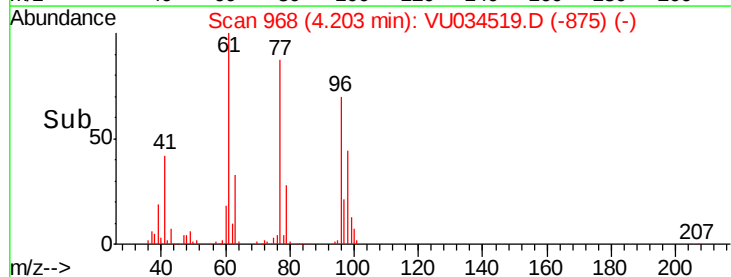
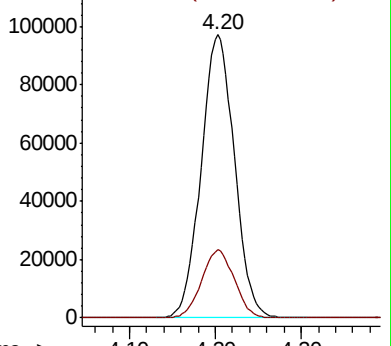
Ion Ratio Lower Upper

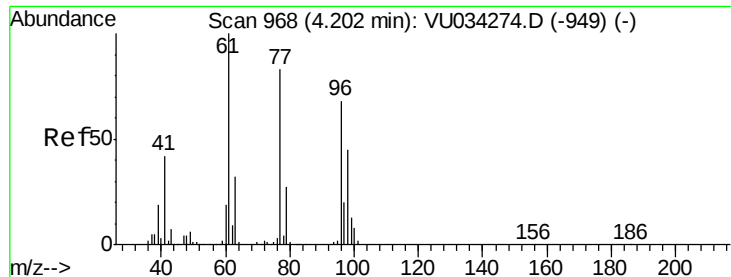
77 100

97 23.6 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VU034519.D (-875) (-)



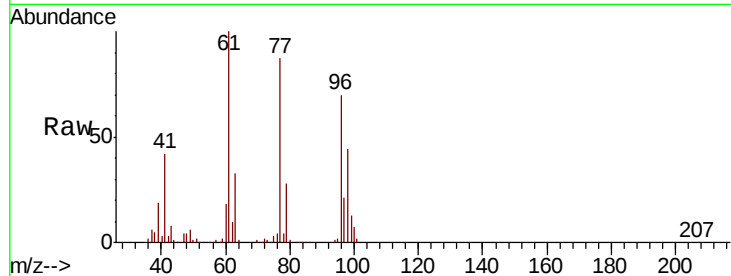


#27

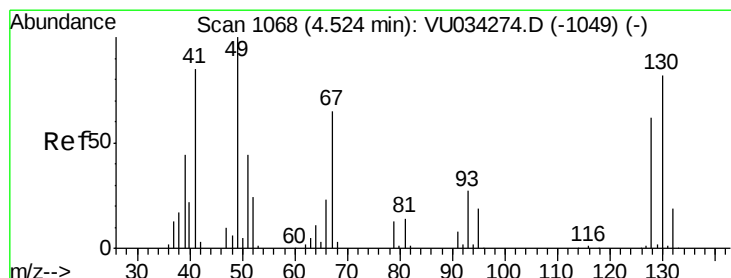
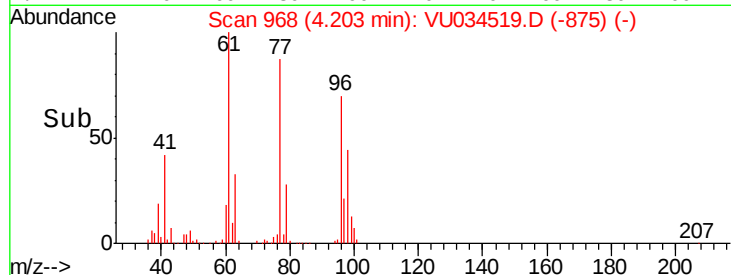
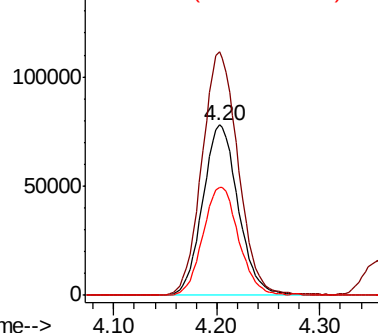
cis-1,2-Dichloroethene
Concen: 55.235 ug/l
RT: 4.20 min Scan# 968
Delta R.T. 0.00 min
Lab File: VU034519.D
Acq: 12 Sep 2019 14:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 186974
Ion Ratio Lower Upper
96 100
61 145.7 0.0 297.4
98 63.9 0.0 130.0



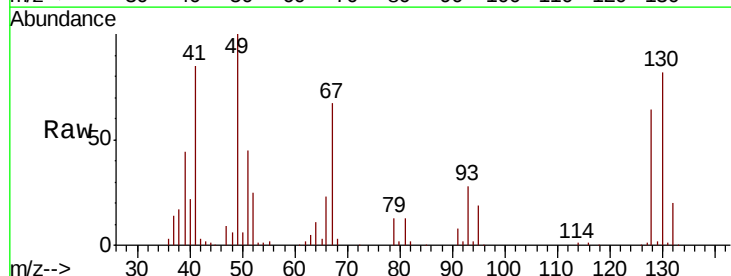
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



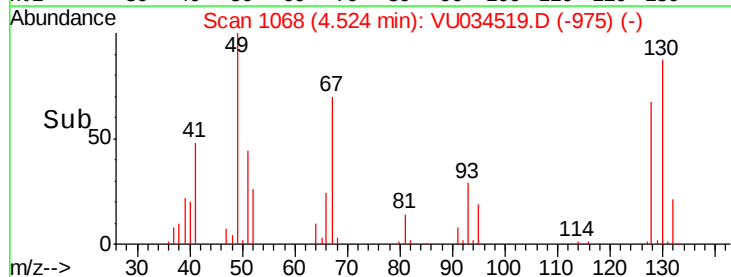
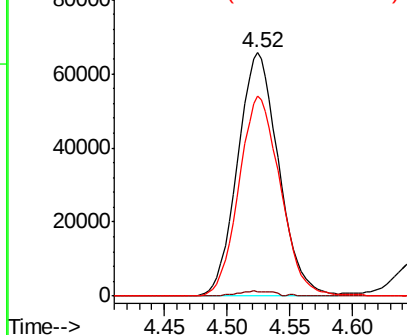
#28

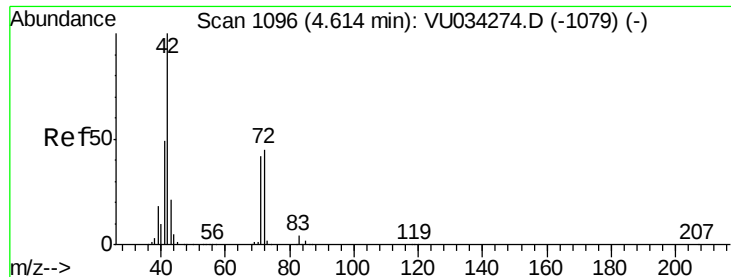
Bromochloromethane
Concen: 55.161 ug/l
RT: 4.52 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VU034519.D
Acq: 12 Sep 2019 14:38

Tgt Ion: 49 Resp: 149407
Ion Ratio Lower Upper
49 100
129 1.8 0.0 3.8
130 83.0 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: 288.656 ug/l

RT: 4.61 min Scan# 1096

Delta R.T. 0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

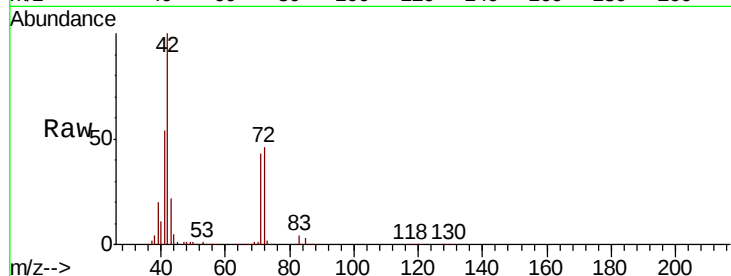
Tgt Ion: 42 Resp: 446275

Ion Ratio Lower Upper

42 100

72 46.4 36.6 54.8

71 42.9 34.3 51.5

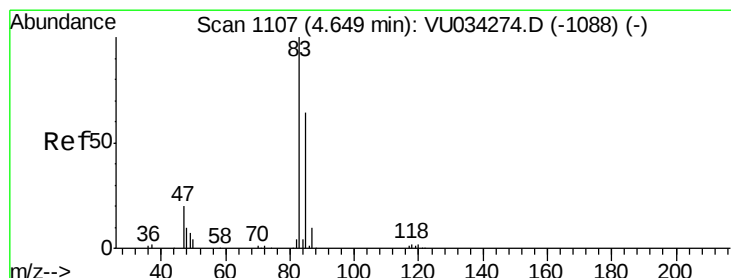
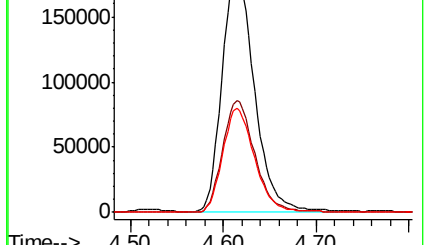
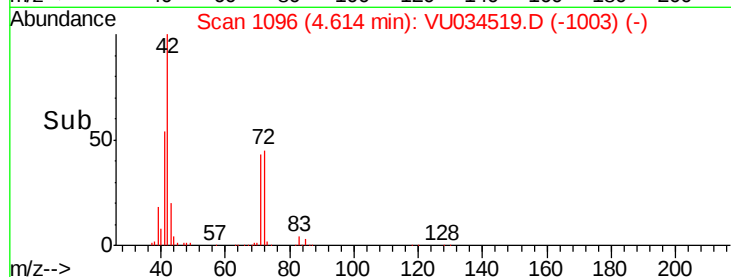


Abundance Ion 42.00 (41.70 to 42.70): VU034274.D (-1079) (-)

Ion 72.00 (71.70 to 72.70): VU034274.D (-1079) (-)

Ion 71.00 (70.70 to 71.70): VU034274.D (-1079) (-)

Time-->



#30

Chloroform

Concen: 53.494 ug/l

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VU034519.D

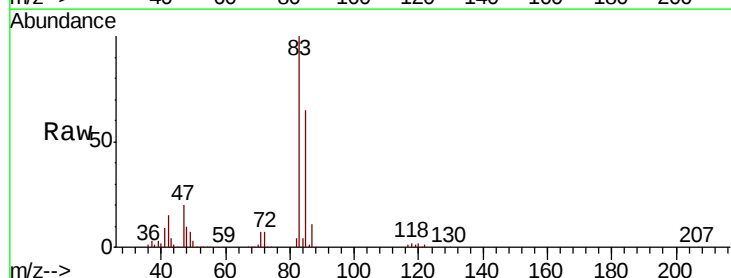
Acq: 12 Sep 2019 14:38

Tgt Ion: 83 Resp: 320198

Ion Ratio Lower Upper

83 100

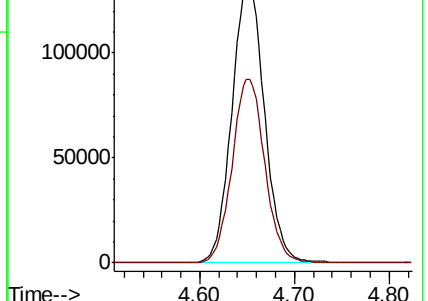
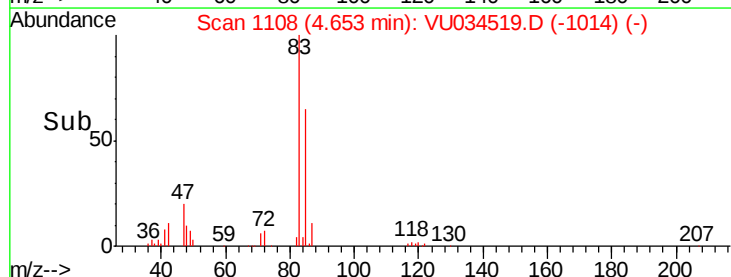
85 64.8 51.5 77.3

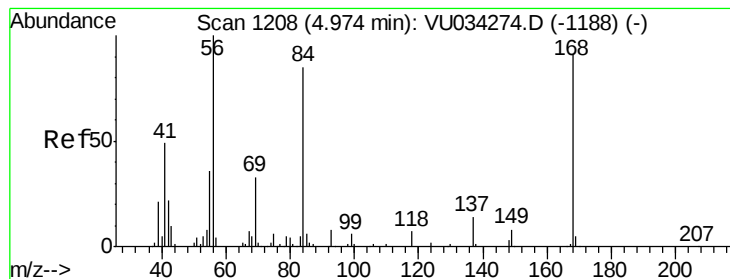


Abundance Ion 82.90 (82.60 to 83.60): VU034274.D (-1088) (-)

Ion 84.90 (84.60 to 85.60): VU034274.D (-1088) (-)

Time-->





#31

Cyclohexane

Concen: 49.222 ug/l

RT: 4.97 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

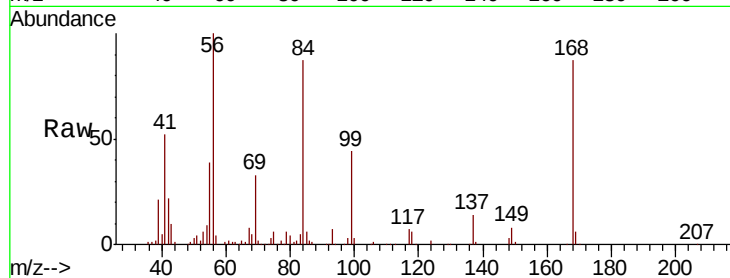
Tgt Ion: 56 Resp: 212052

Ion Ratio Lower Upper

56 100

69 32.8 26.7 40.1

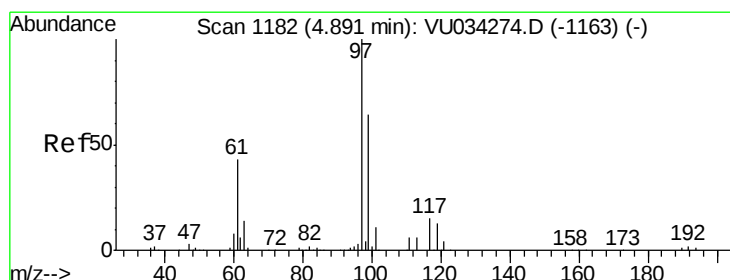
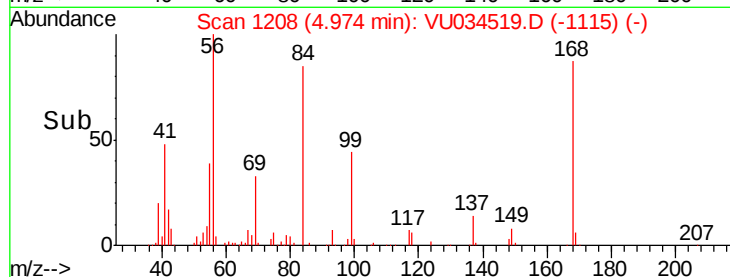
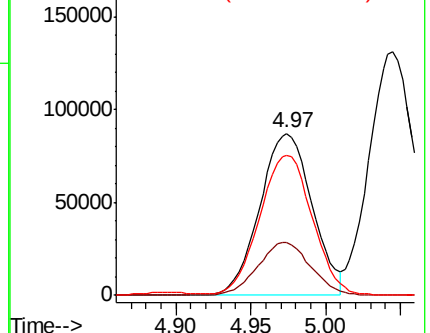
84 85.5 68.2 102.4



Abundance Ion 56.00 (55.70 to 56.70): VU034519.D (-1188) (-)

Ion 69.00 (68.70 to 69.70): VU034519.D (-1188) (-)

Ion 84.00 (83.70 to 84.70): VU034519.D (-1188) (-)



#32

1,1,1-Trichloroethane

Concen: 54.648 ug/l

RT: 4.89 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

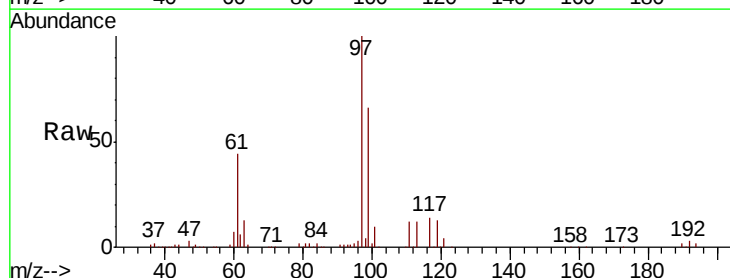
Tgt Ion: 97 Resp: 261529

Ion Ratio Lower Upper

97 100

99 64.3 50.9 76.3

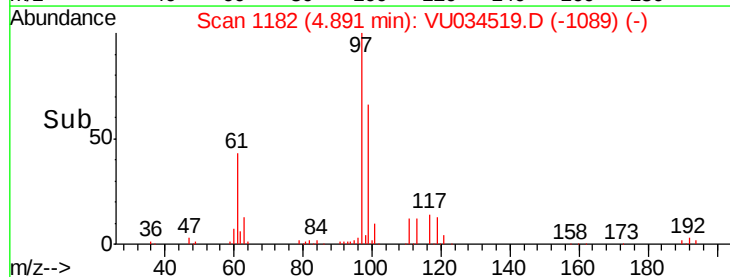
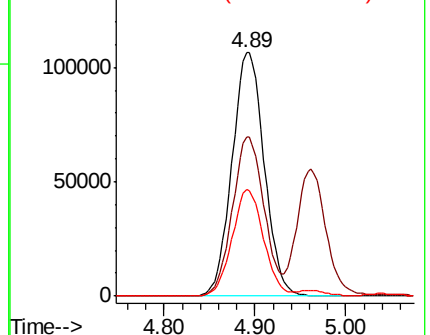
61 43.0 34.7 52.1

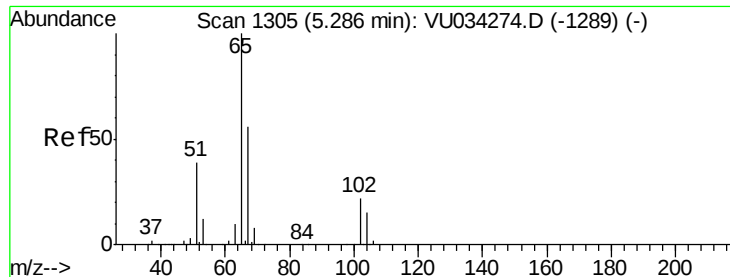


Abundance Ion 96.90 (96.60 to 97.60): VU034519.D (-1089) (-)

Ion 98.90 (98.60 to 99.60): VU034519.D (-1089) (-)

Ion 60.90 (60.60 to 61.60): VU034519.D (-1089) (-)

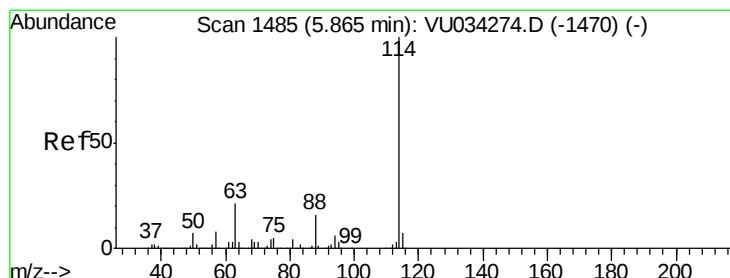
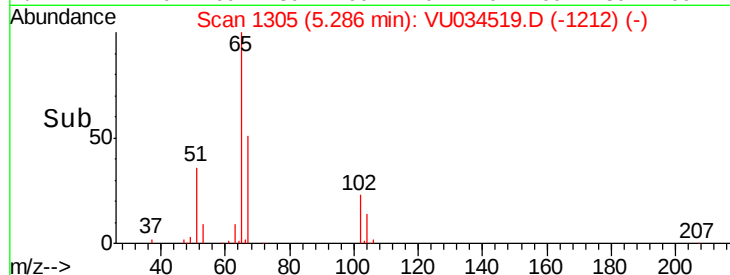
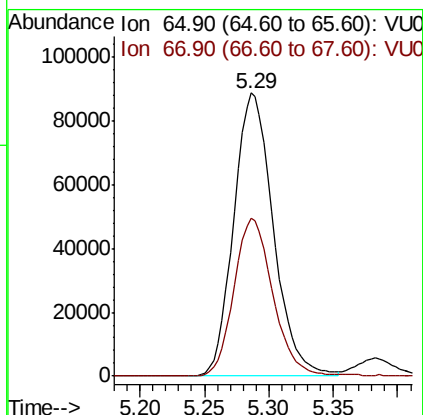
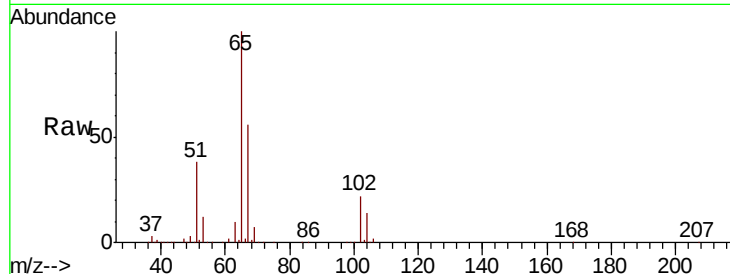




#33
 1,2-Dichloroethane-d4
 Concen: 51.702 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: VU034519.D
 Acq: 12 Sep 2019 14:38

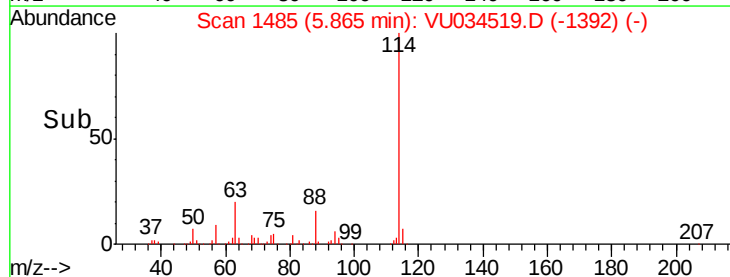
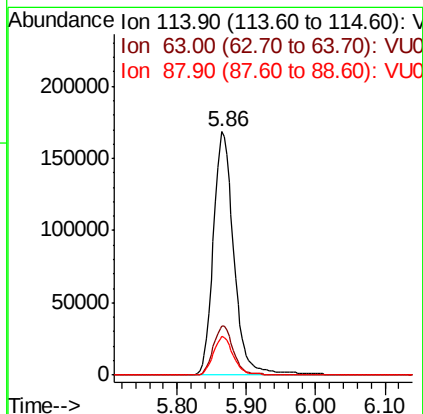
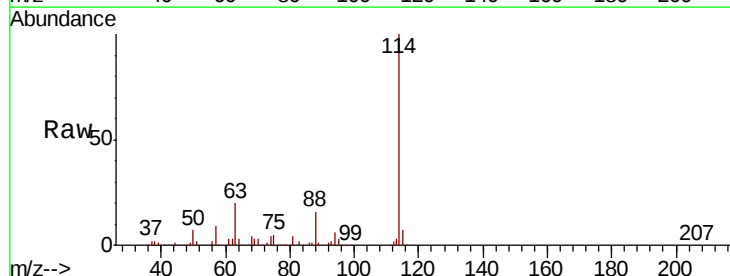
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

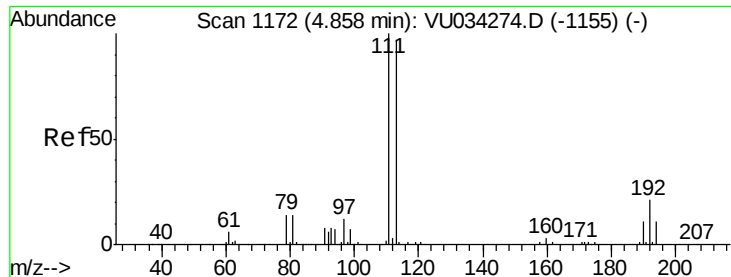
Tgt Ion: 65 Resp: 190162
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 112.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VU034519.D
 Acq: 12 Sep 2019 14:38

Tgt Ion: 114 Resp: 346712
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 42.4
 88 15.8 0.0 32.4

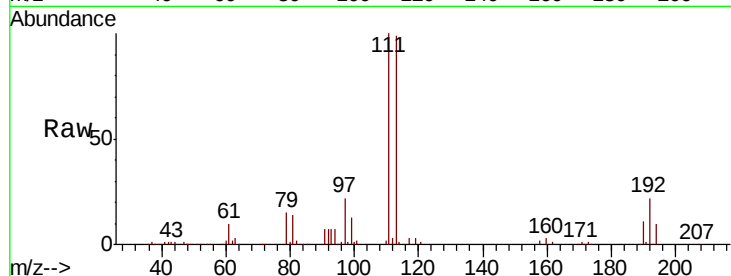




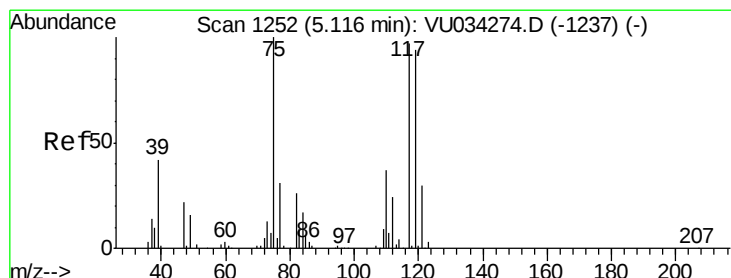
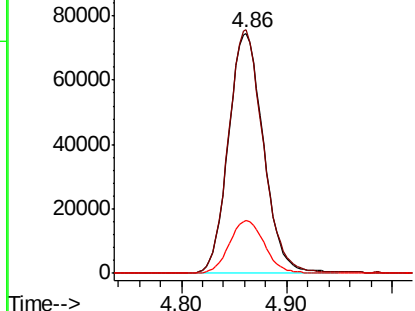
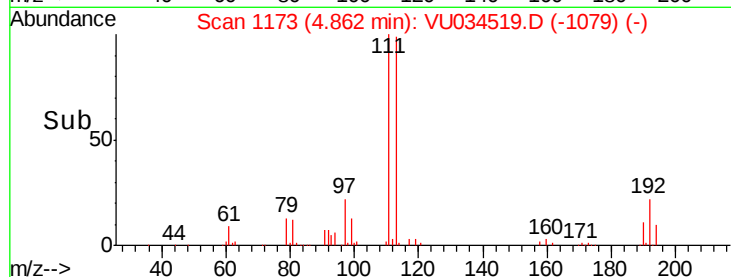
#35
 Dibromofluoromethane
 Concen: 53.157 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034519.D
 Acq: 12 Sep 2019 14:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 113 Resp: 171494
 Ion Ratio Lower Upper
 113 100
 111 100.4 81.5 122.3
 192 22.2 17.8 26.8

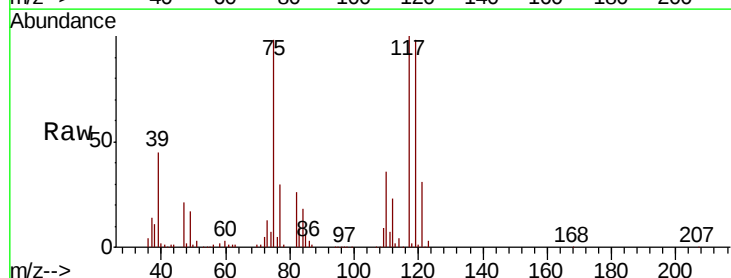


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

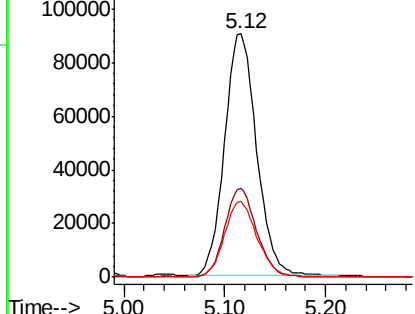
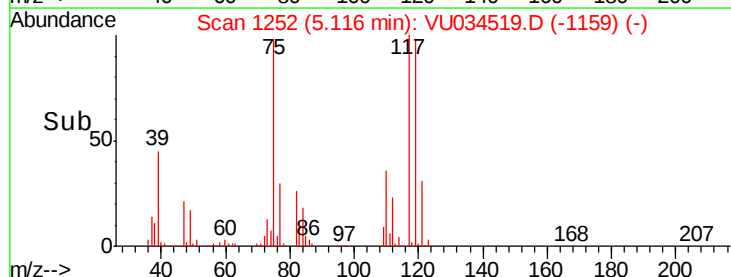


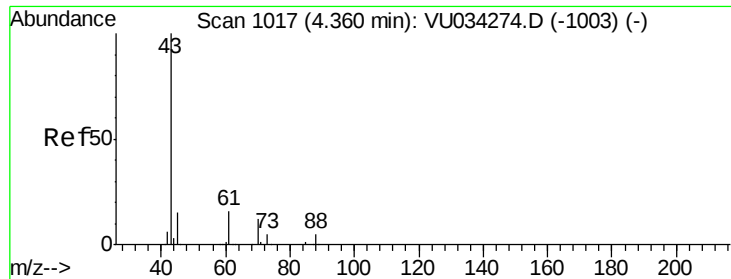
#36
 1,1-Dichloropropene
 Concen: 53.236 ug/l
 RT: 5.12 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VU034519.D
 Acq: 12 Sep 2019 14:38

Tgt Ion: 75 Resp: 200174
 Ion Ratio Lower Upper
 75 100
 110 36.4 18.3 54.9
 77 31.3 24.9 37.3



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

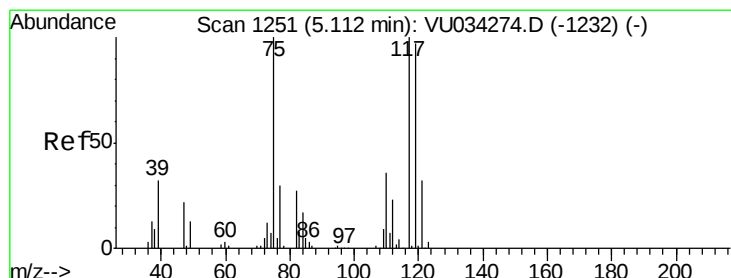
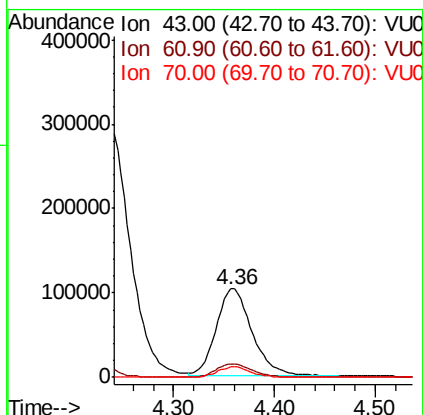
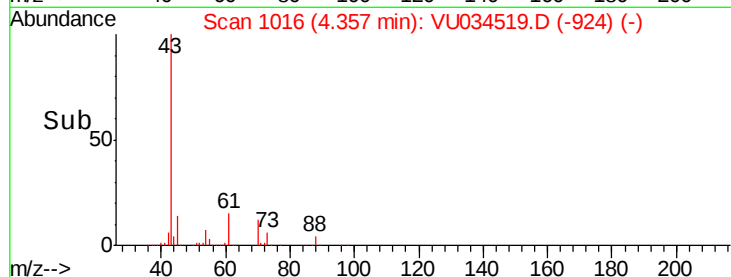
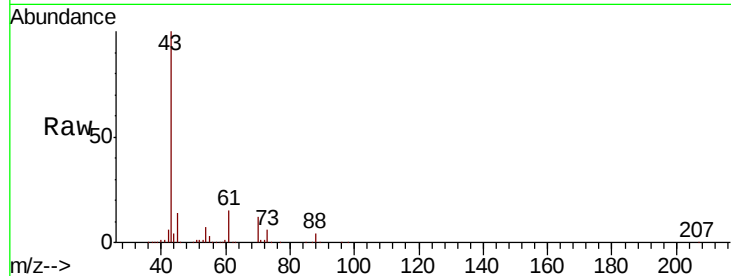




#37
 Ethyl Acetate
 Concen: 58.085 ug/l
 RT: 4.36 min Scan# 1016
 Delta R.T. -0.00 min
 Lab File: VU034519.D
 Acq: 12 Sep 2019 14:38

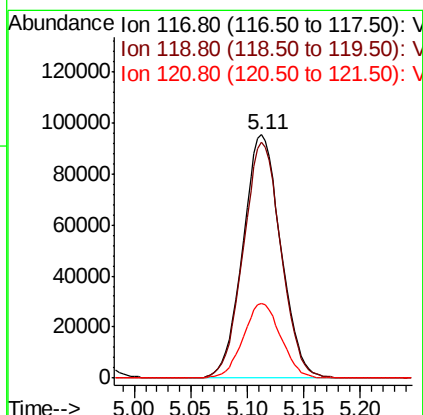
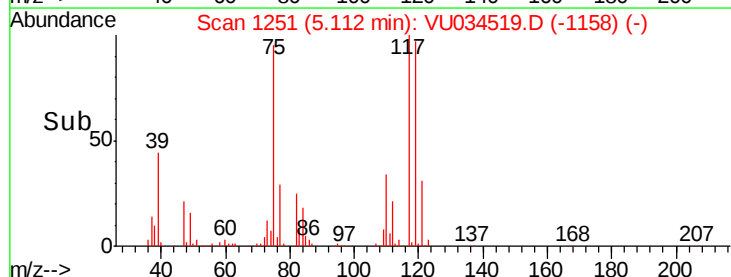
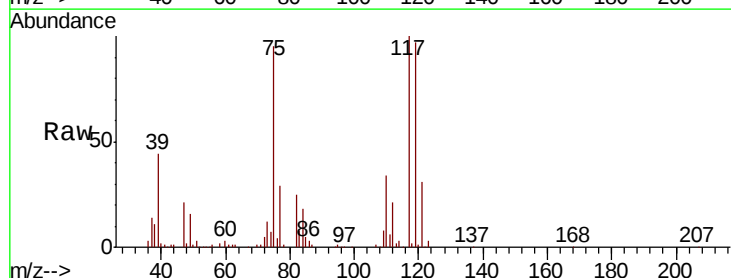
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

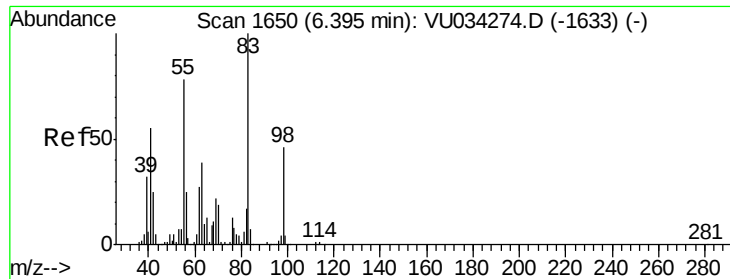
Tgt Ion: 43 Resp: 258226
 Ion Ratio Lower Upper
 43 100
 61 15.0 12.3 18.5
 70 11.5 9.1 13.7



#38
 Carbon Tetrachloride
 Concen: 55.216 ug/l
 RT: 5.11 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU034519.D
 Acq: 12 Sep 2019 14:38

Tgt Ion: 117 Resp: 221679
 Ion Ratio Lower Upper
 117 100
 119 96.9 77.8 116.6
 121 30.7 25.2 37.8

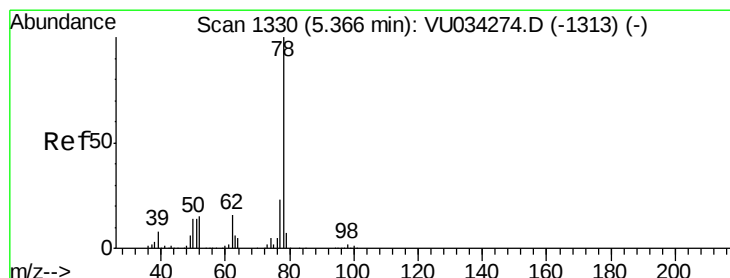
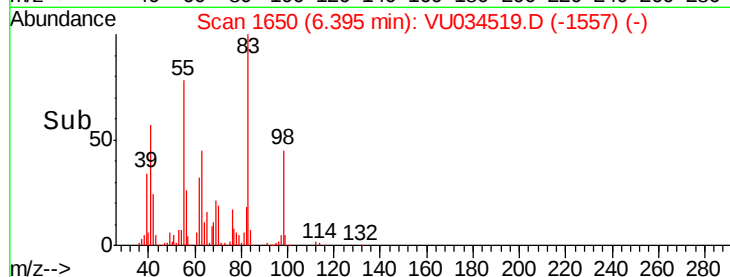
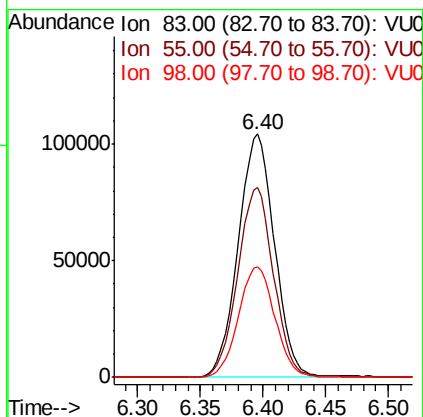
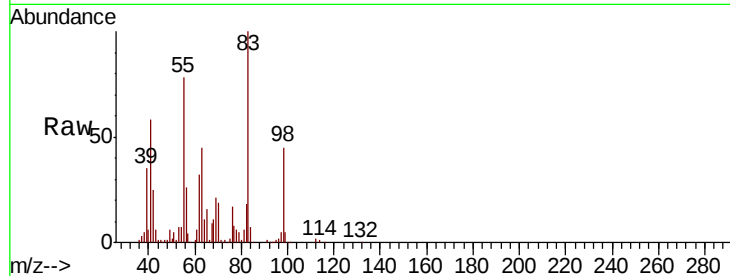




#39
Methylcyclohexane
Concen: 52.259 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034519.D
Acq: 12 Sep 2019 14:38

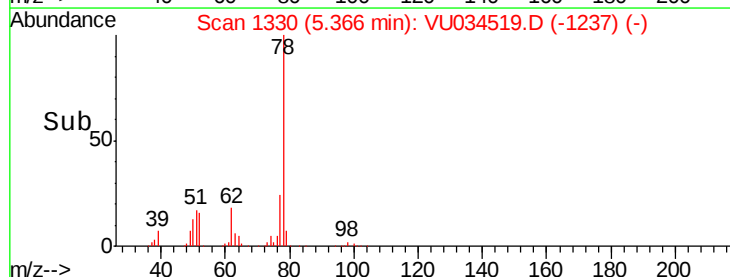
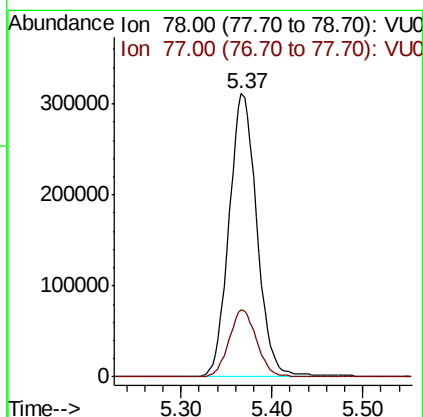
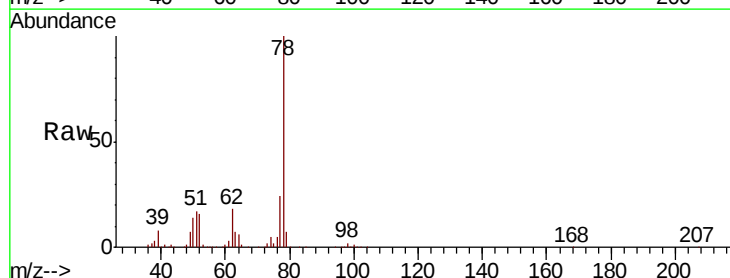
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

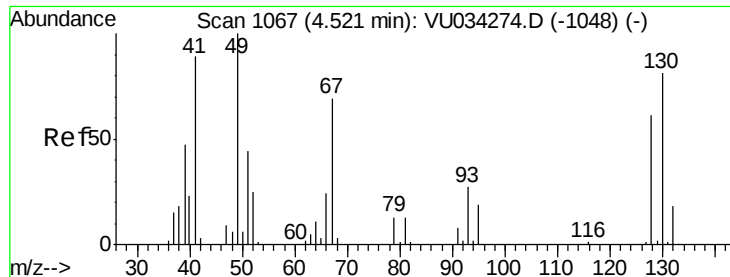
Tgt Ion: 83 Resp: 210057
Ion Ratio Lower Upper
83 100
55 77.9 62.1 93.1
98 45.2 37.0 55.6



#40
Benzene
Concen: 54.590 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034519.D
Acq: 12 Sep 2019 14:38

Tgt Ion: 78 Resp: 662339
Ion Ratio Lower Upper
78 100
77 23.7 18.7 28.1





#41

Methacrylonitrile

Concen: 60.239 ug/l

RT: 4.52 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 41 Resp: 142649

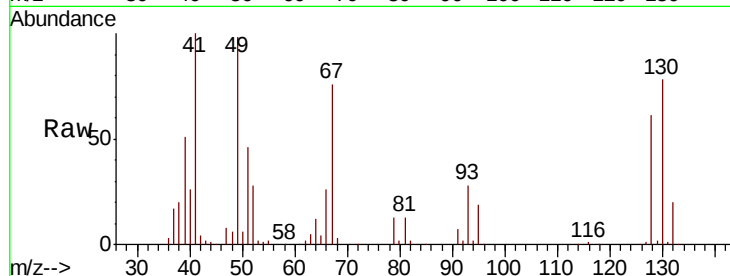
Ion Ratio Lower Upper

41 100

39 52.1 41.0 61.4

67 79.2 62.4 93.6

52 29.1 23.6 35.4

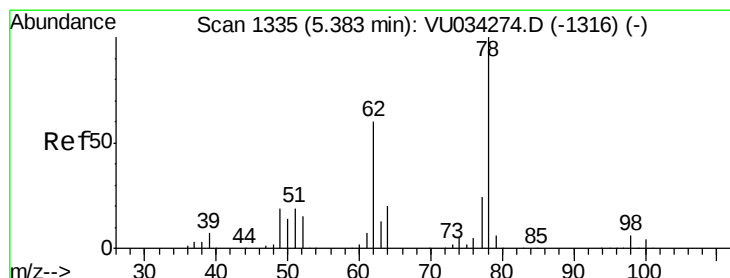
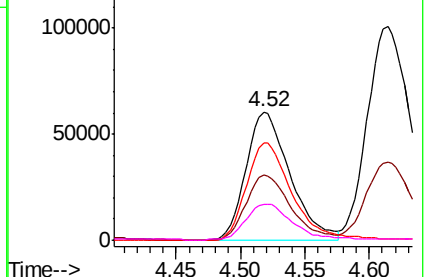
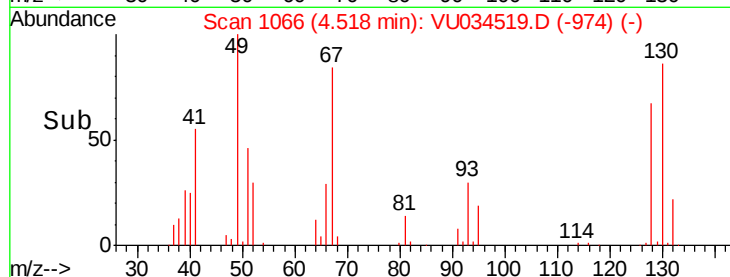


Abundance Ion 41.00 (40.70 to 41.70): VU0

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: 55.415 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU034519.D

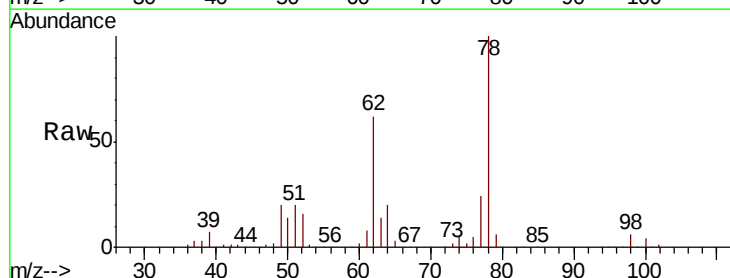
Acq: 12 Sep 2019 14:38

Tgt Ion: 62 Resp: 233434

Ion Ratio Lower Upper

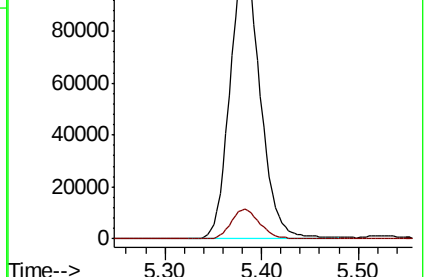
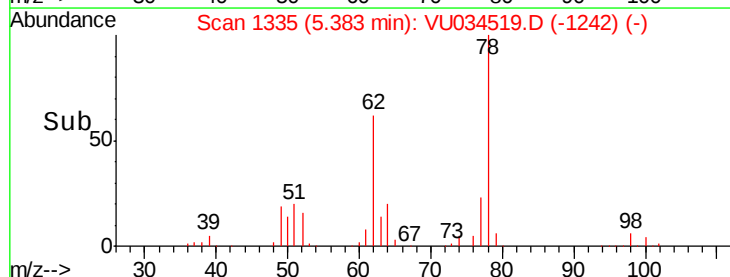
62 100

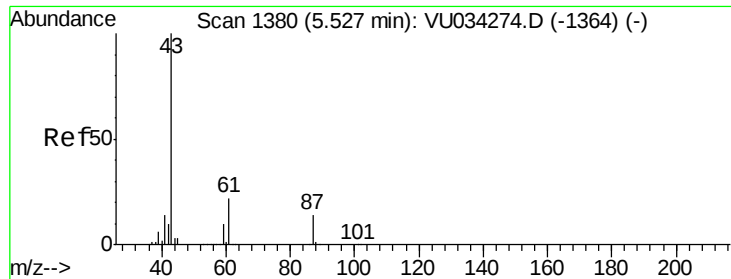
98 10.3 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

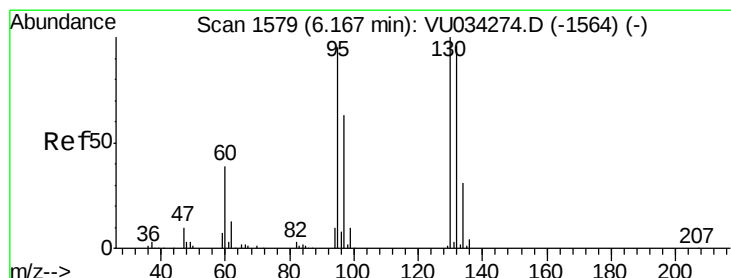
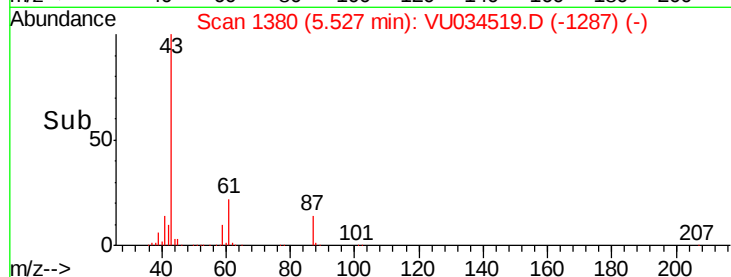
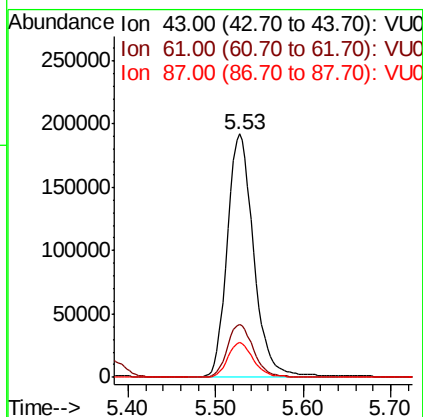
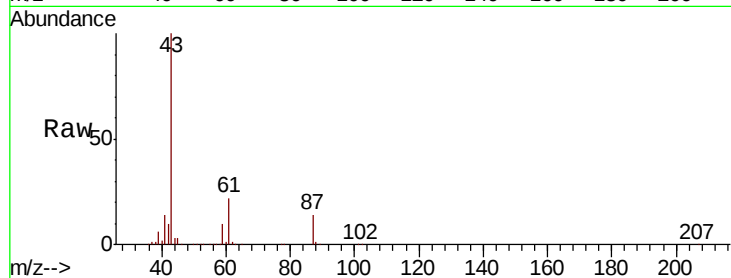




#43
Isopropyl Acetate
Concen: 57.686 ug/l
RT: 5.53 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VU034519.D
Acq: 12 Sep 2019 14:38

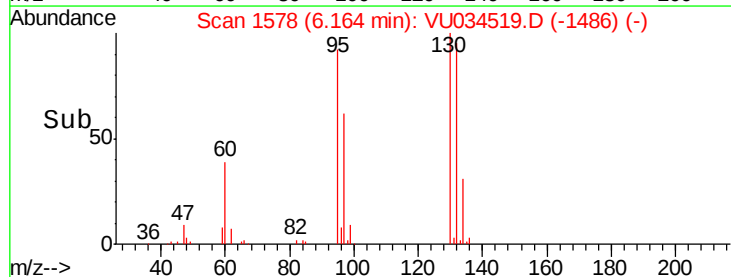
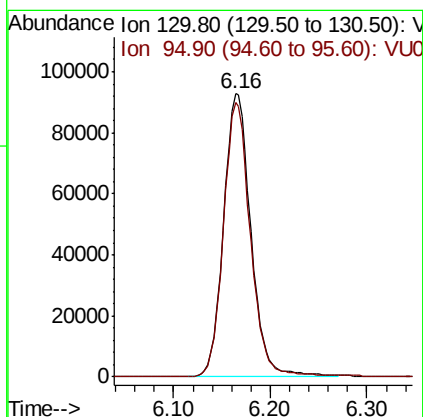
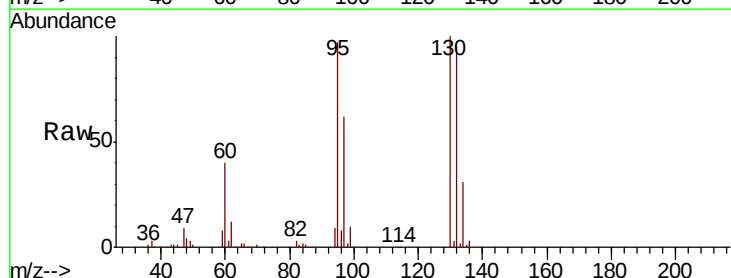
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

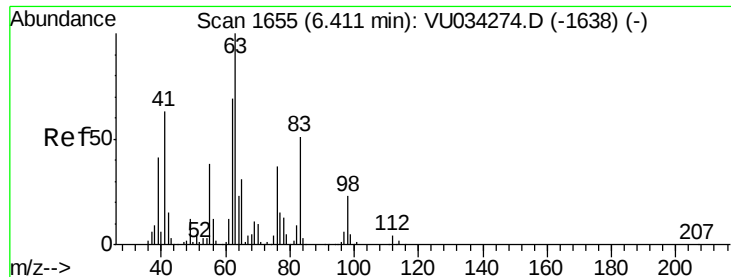
Tgt Ion: 43 Resp: 400067
Ion Ratio Lower Upper
43 100
61 21.8 17.1 25.7
87 14.1 11.1 16.7



#44
Trichloroethene
Concen: 54.258 ug/l
RT: 6.16 min Scan# 1578
Delta R.T. -0.00 min
Lab File: VU034519.D
Acq: 12 Sep 2019 14:38

Tgt Ion: 130 Resp: 182168
Ion Ratio Lower Upper
130 100
95 97.1 0.0 189.2

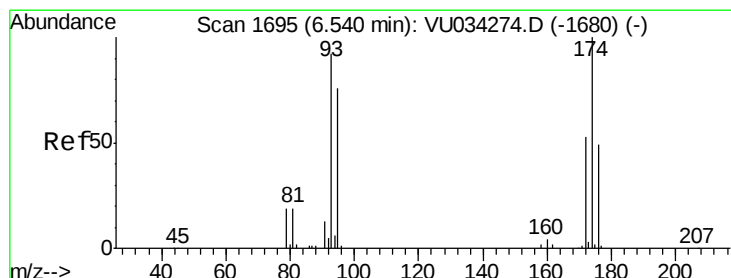
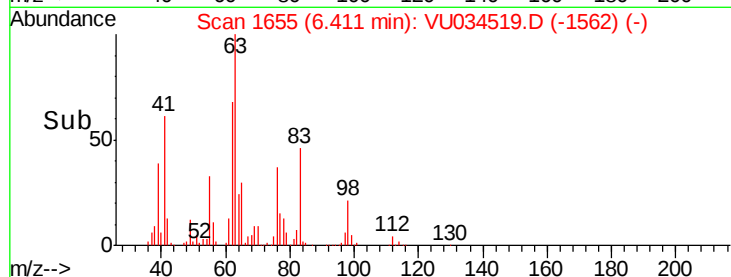
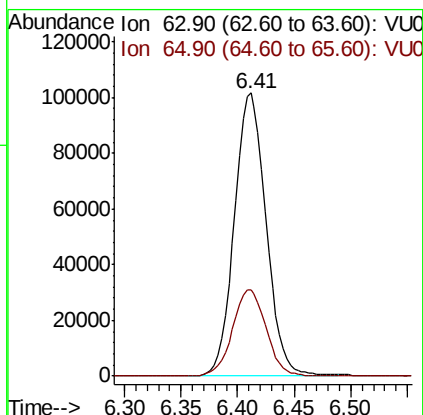
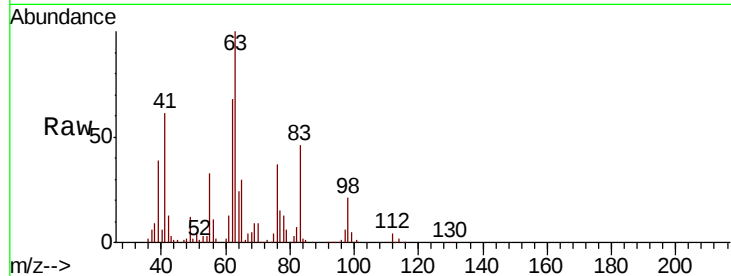




#45
 1,2-Dichloropropane
 Concen: 56.159 ug/l
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU034519.D
 Acq: 12 Sep 2019 14:38

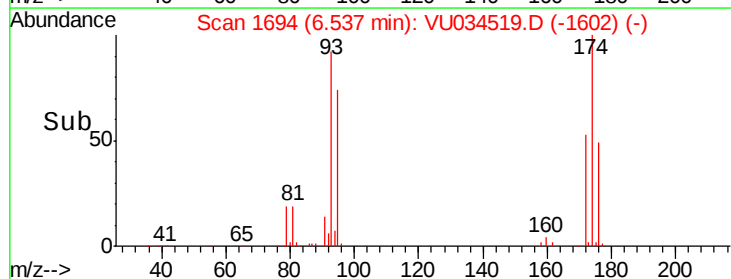
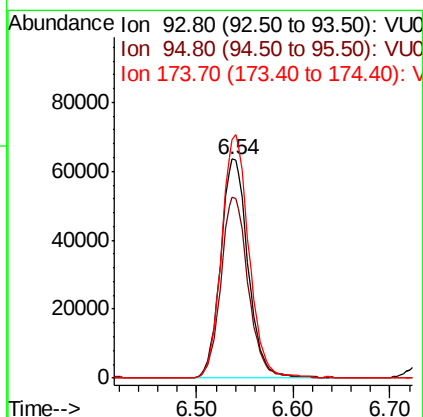
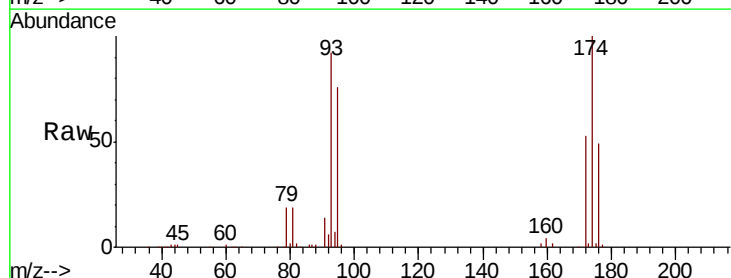
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

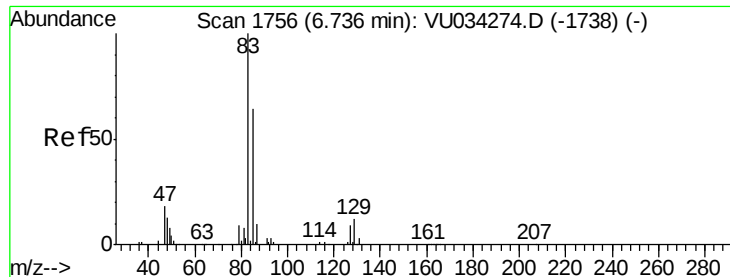
Tgt Ion: 63 Resp: 199196
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.6 37.0



#46
 Dibromomethane
 Concen: 56.276 ug/l
 RT: 6.54 min Scan# 1694
 Delta R.T. -0.00 min
 Lab File: VU034519.D
 Acq: 12 Sep 2019 14:38

Tgt Ion: 93 Resp: 125296
 Ion Ratio Lower Upper
 93 100
 95 82.3 66.5 99.7
 174 110.5 87.8 131.6

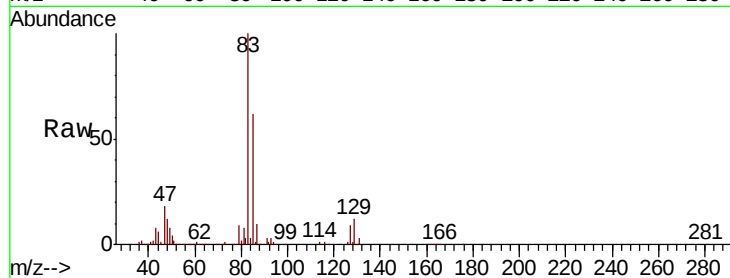




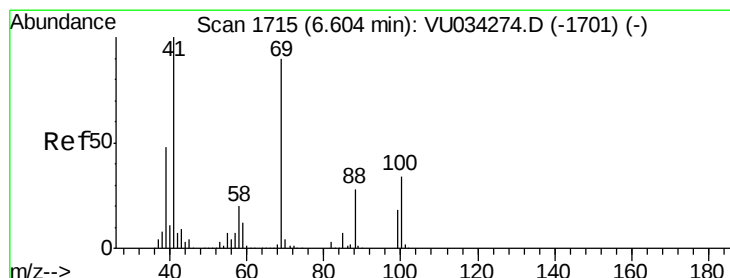
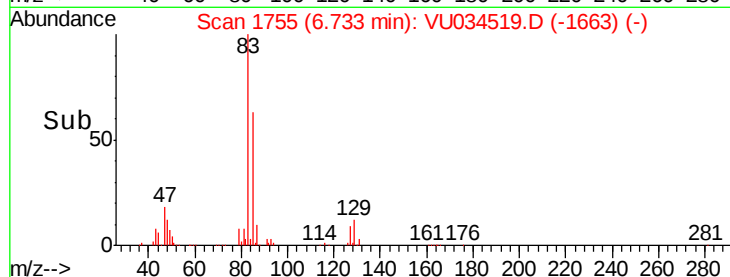
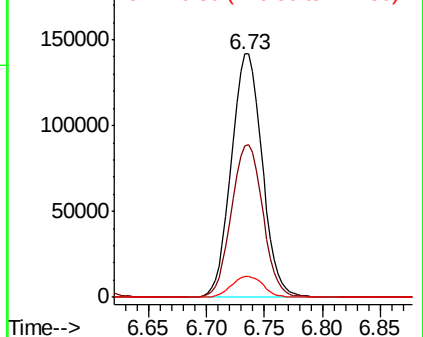
#47
 Bromodichloromethane
 Concen: 57.117 ug/l
 RT: 6.73 min Scan# 1755
 Delta R.T. -0.00 min
 Lab File: VU034519.D
 Acq: 12 Sep 2019 14:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 83 Resp: 261764
 Ion Ratio Lower Upper
 83 100
 85 62.2 51.1 76.7
 127 8.6 7.2 10.8

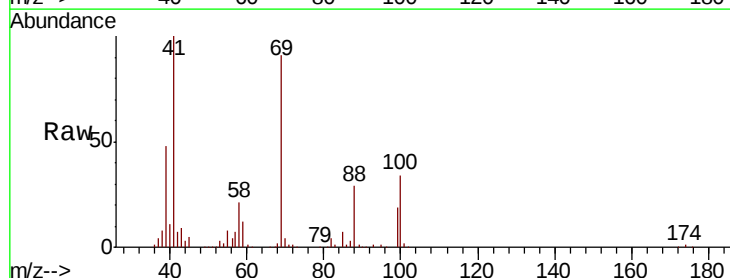


Abundance Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 126.80 (126.50 to 127.50): V

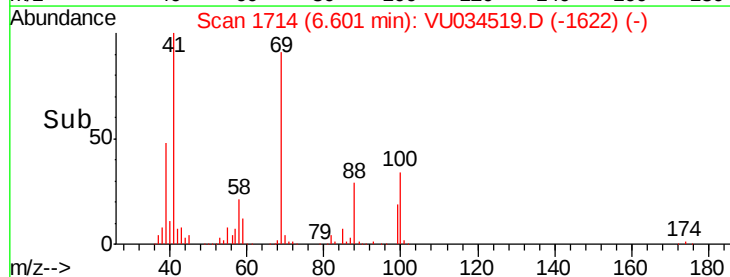
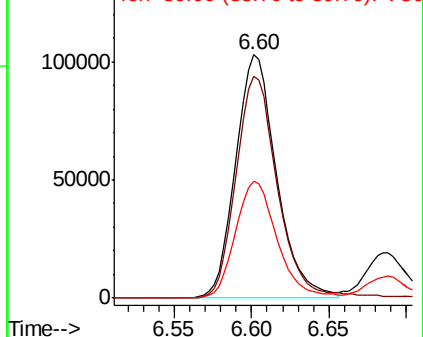


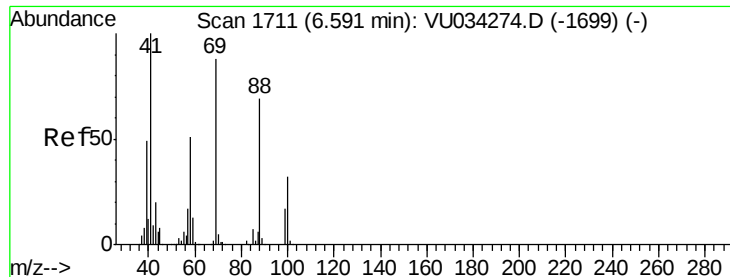
#48
 Methyl methacrylate
 Concen: 57.188 ug/l
 RT: 6.60 min Scan# 1714
 Delta R.T. -0.00 min
 Lab File: VU034519.D
 Acq: 12 Sep 2019 14:38

Tgt Ion: 41 Resp: 188375
 Ion Ratio Lower Upper
 41 100
 69 93.6 72.8 109.2
 39 48.5 38.6 58.0



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

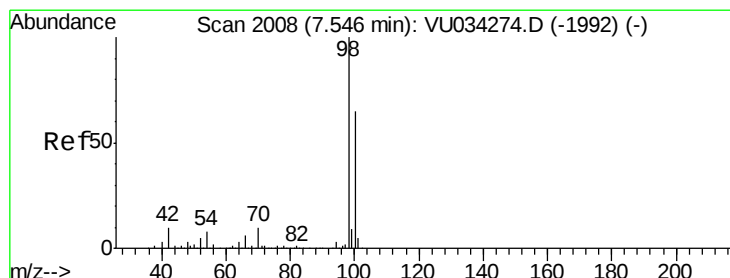
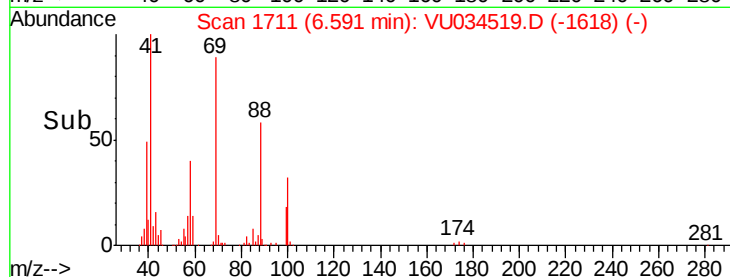
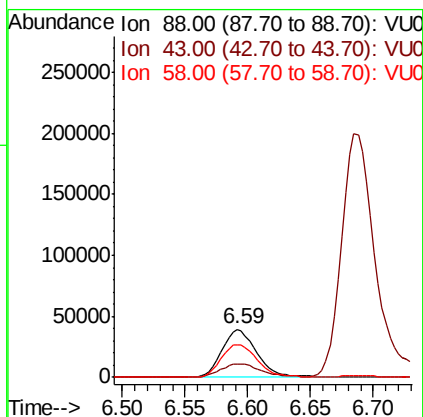
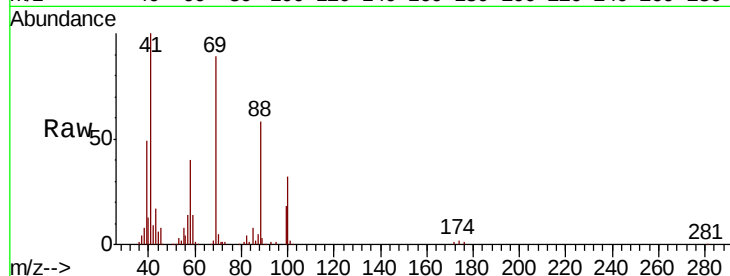




#49
1,4-Dioxane
Concen: 1041.667 ug/l
RT: 6.59 min Scan# 1711
Delta R.T. 0.00 min
Lab File: VU034519.D
Acq: 12 Sep 2019 14:38

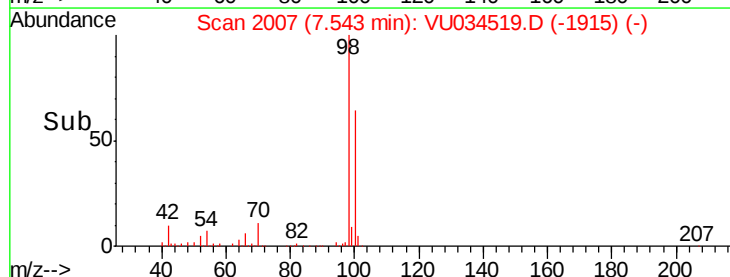
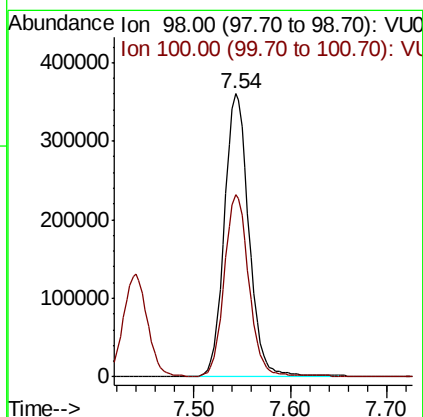
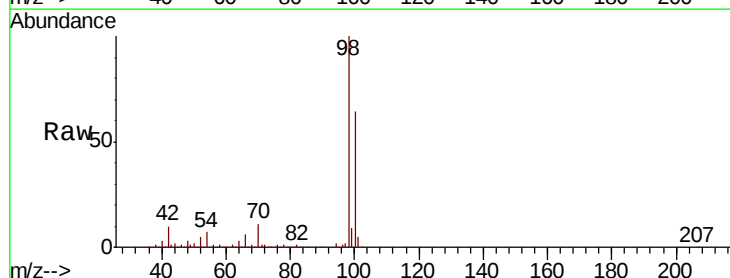
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

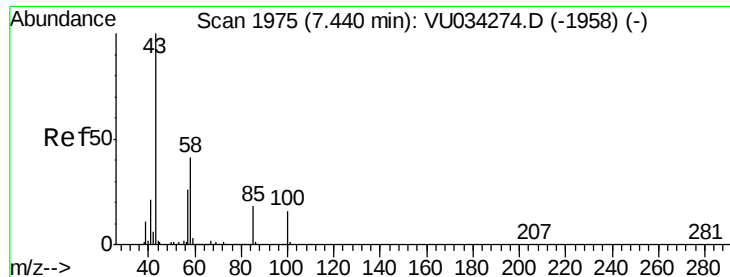
Tgt Ion: 88 Resp: 74925
Ion Ratio Lower Upper
88 100
43 28.9 23.8 35.6
58 72.0 58.4 87.6



#50
Toluene-d8
Concen: 52.581 ug/l
RT: 7.54 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VU034519.D
Acq: 12 Sep 2019 14:38

Tgt Ion: 98 Resp: 637319
Ion Ratio Lower Upper
98 100
100 64.8 51.7 77.5

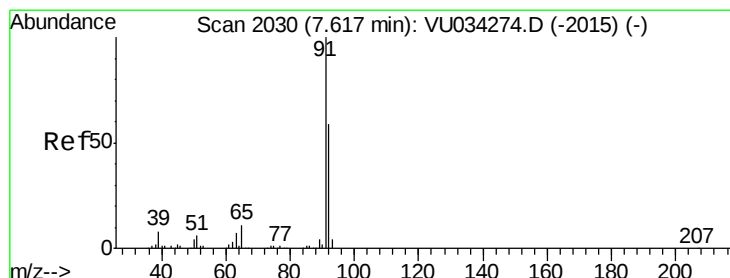
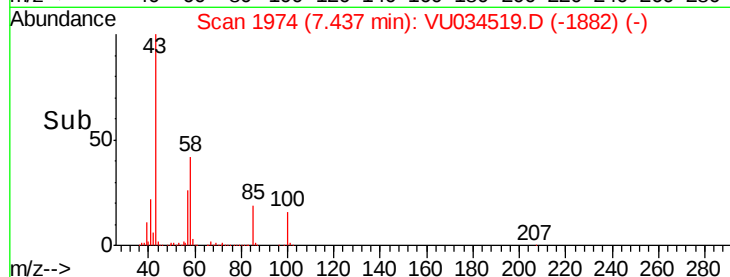
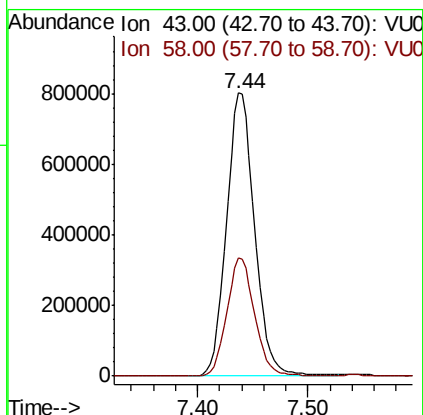
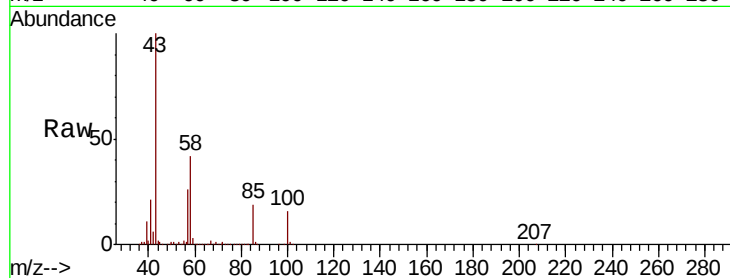




#51
 4-Methyl-2-Pentanone
 Concen: 294.209 ug/l
 RT: 7.44 min Scan# 1974
 Delta R.T. -0.00 min
 Lab File: VU034519.D
 Acq: 12 Sep 2019 14:38

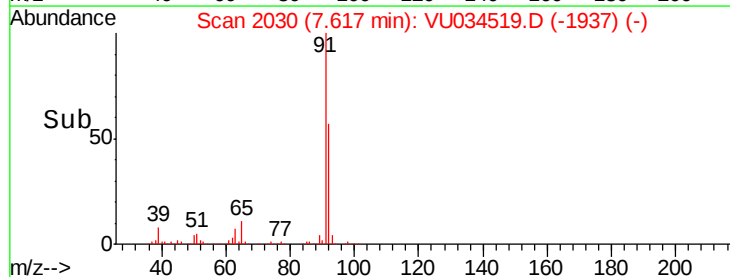
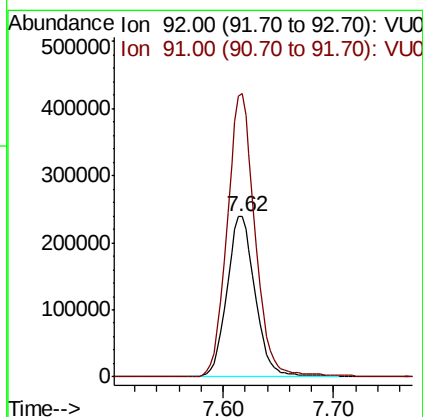
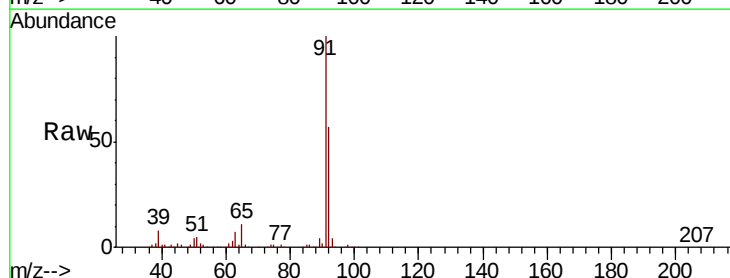
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

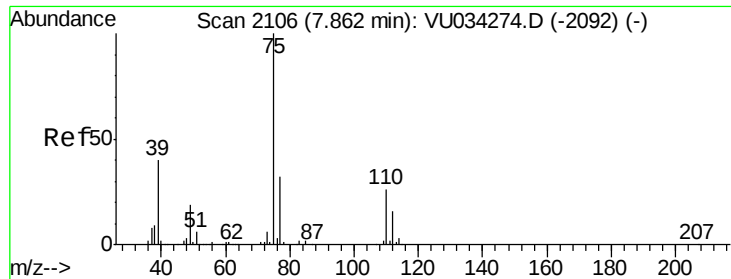
Tgt Ion: 43 Resp: 1412362
 Ion Ratio Lower Upper
 43 100
 58 41.4 33.0 49.4



#52
 Toluene
 Concen: 55.806 ug/l
 RT: 7.62 min Scan# 2030
 Delta R.T. 0.00 min
 Lab File: VU034519.D
 Acq: 12 Sep 2019 14:38

Tgt Ion: 92 Resp: 424744
 Ion Ratio Lower Upper
 92 100
 91 175.5 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 57.627 ug/l

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

Instrument :

MSVOA_U

ClientSampleId :

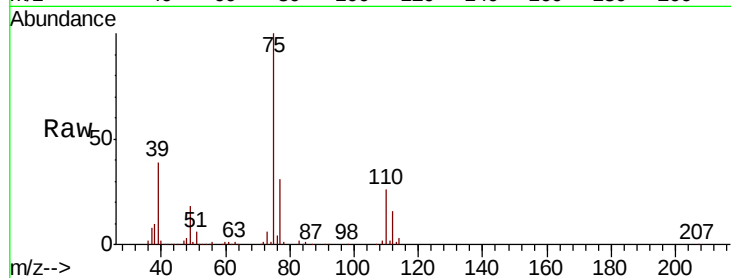
VSTDCCC050EC

Tgt Ion: 75 Resp: 273777

Ion Ratio Lower Upper

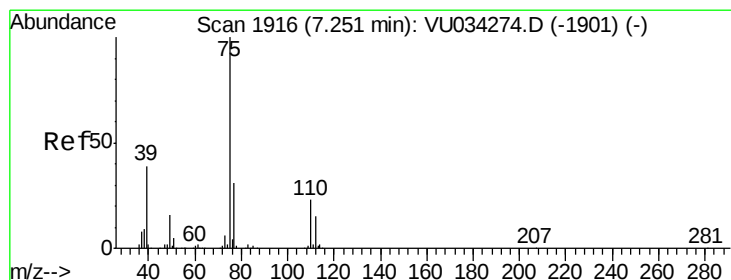
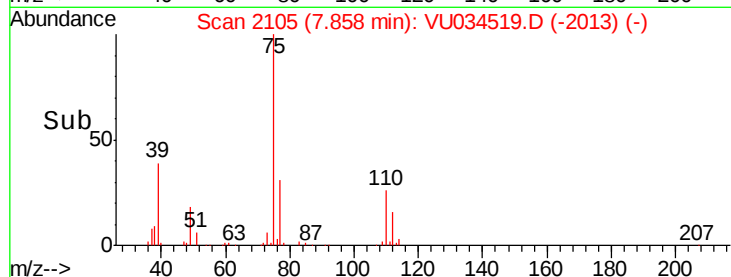
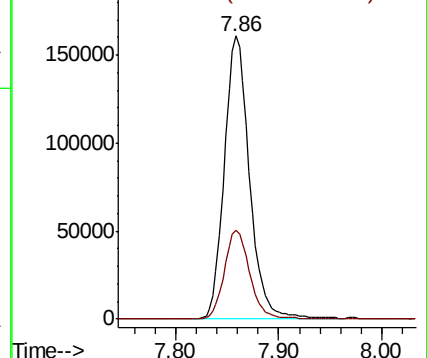
75 100

77 31.3 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: 57.722 ug/l

RT: 7.25 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

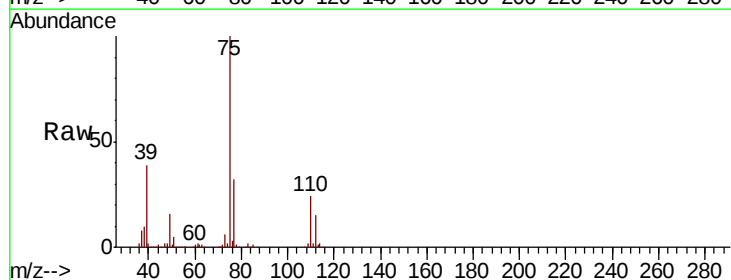
Tgt Ion: 75 Resp: 300972

Ion Ratio Lower Upper

75 100

77 32.2 25.1 37.7

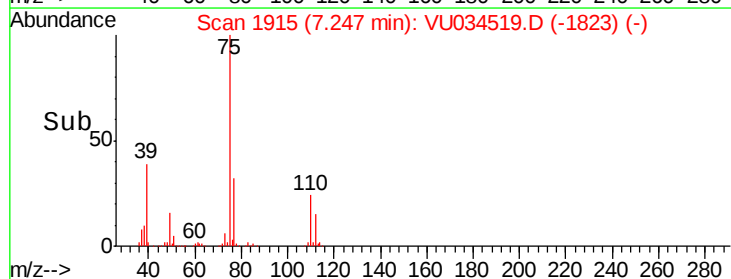
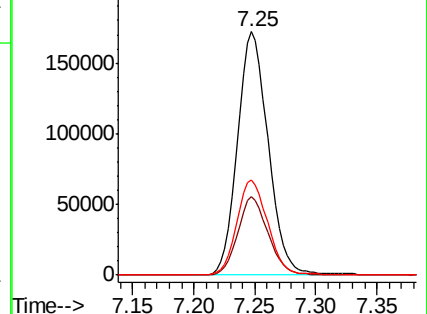
39 38.9 31.2 46.8

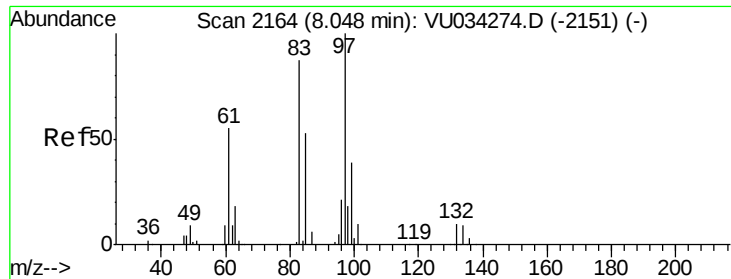


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

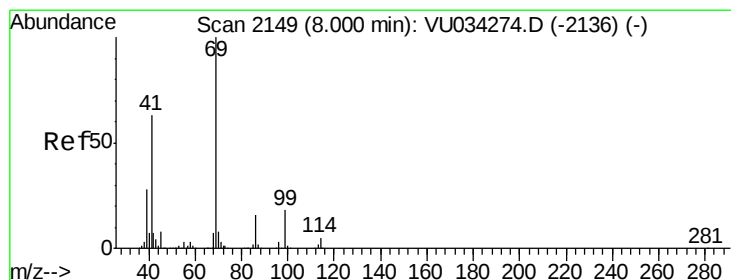
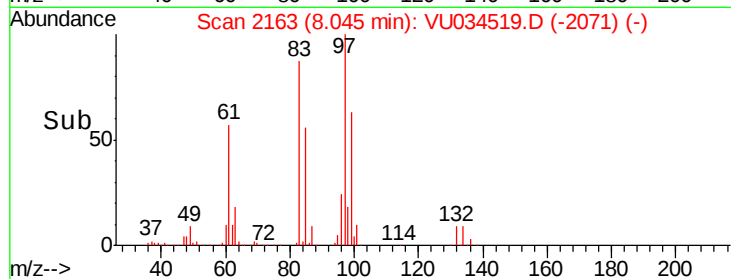
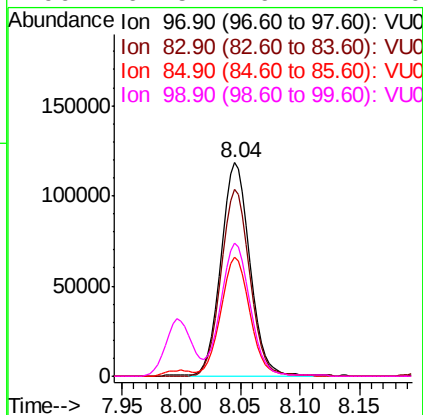
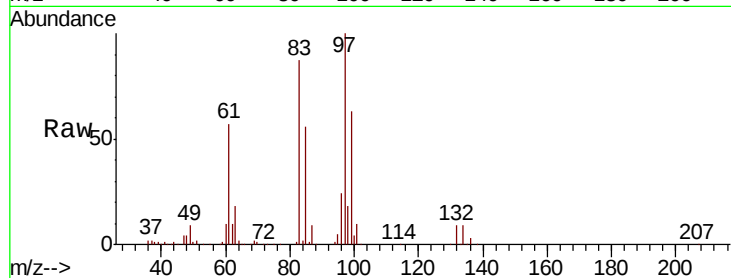




#55
 1,1,2-Trichloroethane
 Concen: 57.353 ug/l
 RT: 8.04 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: VU034519.D
 Acq: 12 Sep 2019 14:38

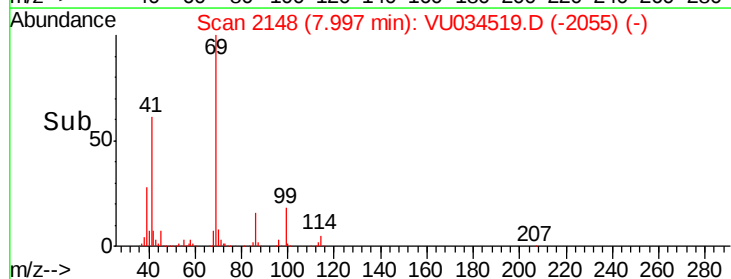
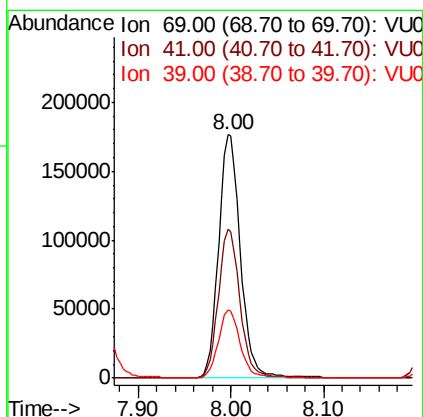
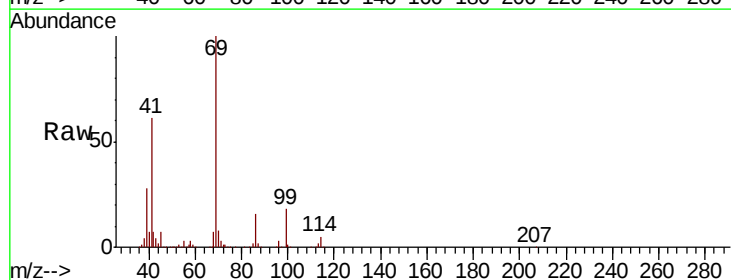
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

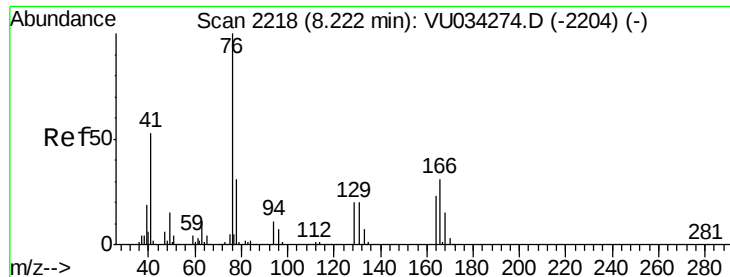
Tgt Ion:	97	Resp:	198213
Ion	Ratio	Lower	Upper
97	100		
83	87.3	69.0	103.6
85	55.8	44.2	66.2
99	62.5	49.4	74.0



#56
 Ethyl methacrylate
 Concen: 54.623 ug/l
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VU034519.D
 Acq: 12 Sep 2019 14:38

Tgt Ion:	69	Resp:	288398
Ion	Ratio	Lower	Upper
69	100		
41	60.2	49.5	74.3
39	27.6	22.5	33.7





#57

1,3-Dichloropropane

Concen: 56.916 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

Instrument :

MSVOA_U

ClientSampleId :

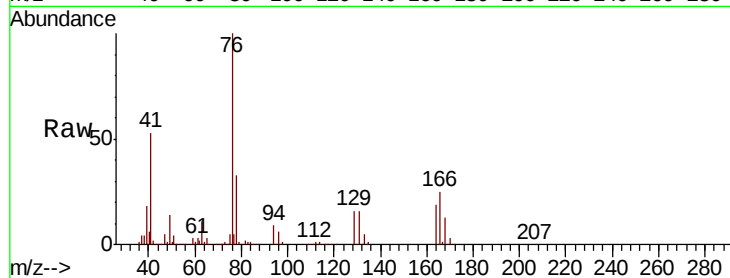
VSTDCCC050EC

Tgt Ion: 76 Resp: 320300

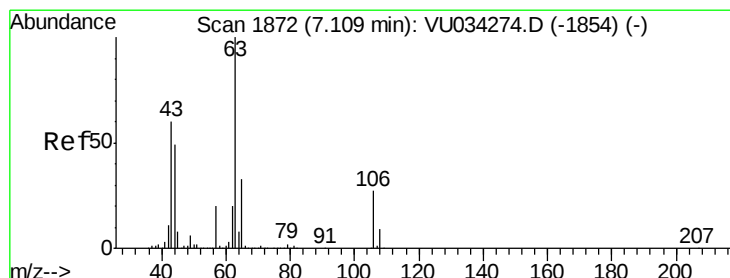
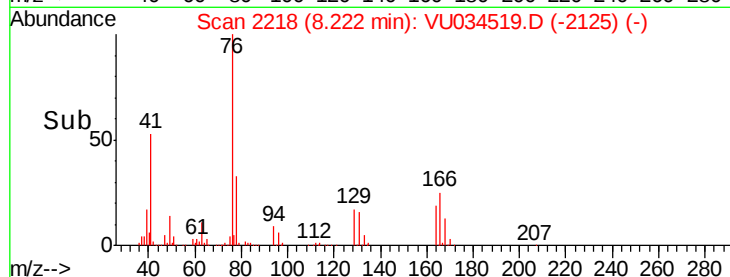
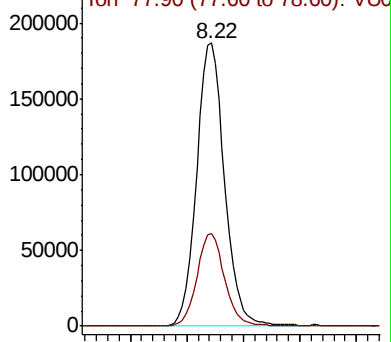
Ion Ratio Lower Upper

76 100

78 32.5 25.4 38.2



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



#58

2-Chloroethyl Vinyl ether

Concen: 254.647 ug/l

RT: 7.11 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VU034519.D

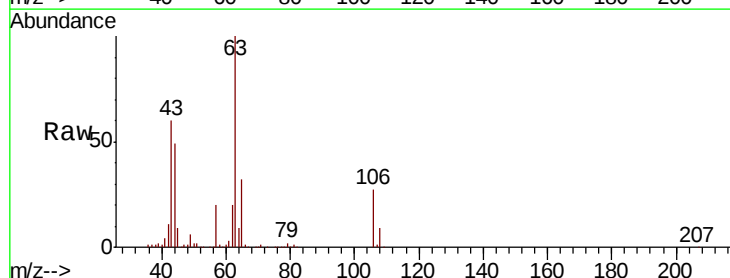
Acq: 12 Sep 2019 14:38

Tgt Ion: 63 Resp: 452948

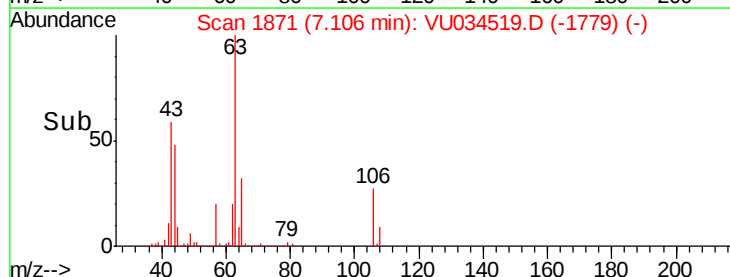
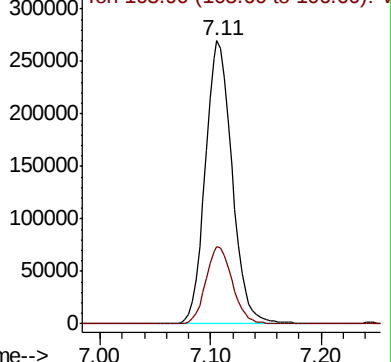
Ion Ratio Lower Upper

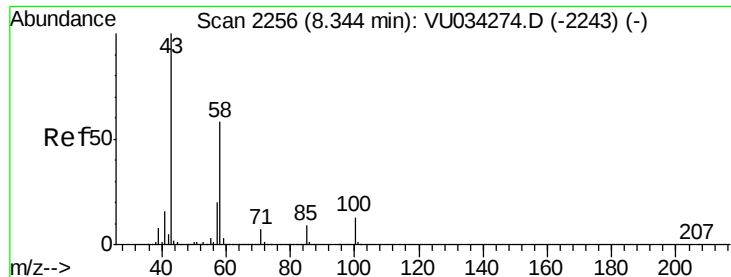
63 100

106 27.1 21.6 32.4



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

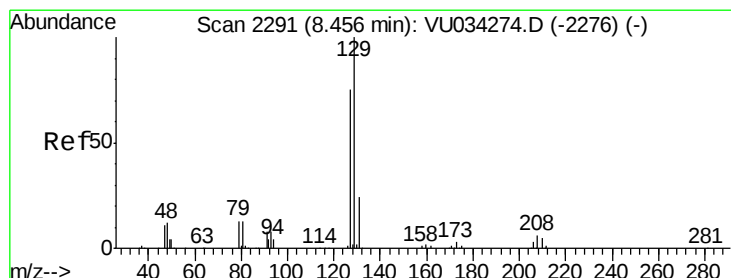
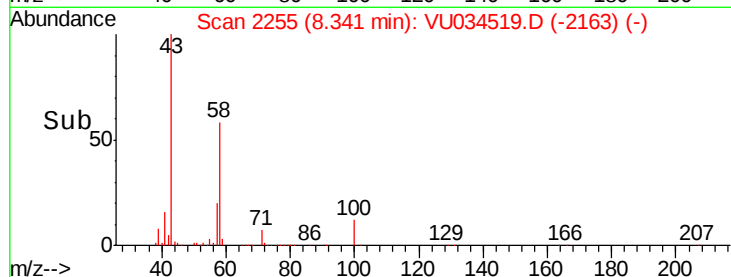
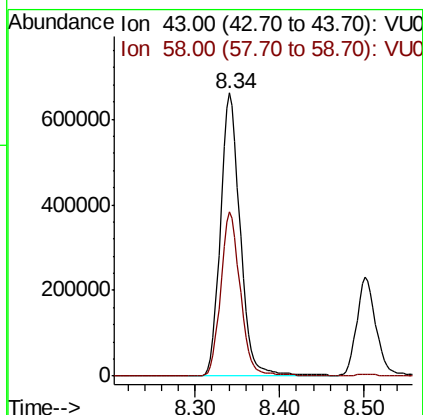
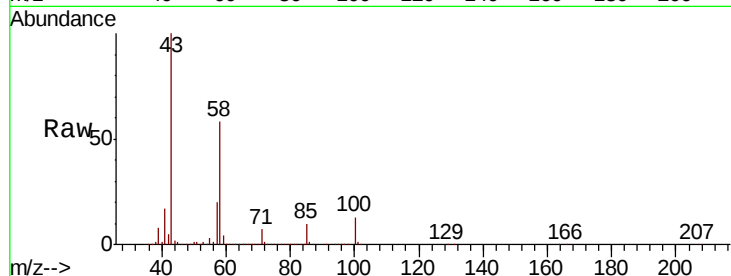




#59
2-Hexanone
Concen: 300.514 ug/l
RT: 8.34 min Scan# 2255
Delta R.T. -0.00 min
Lab File: VU034519.D
Acq: 12 Sep 2019 14:38

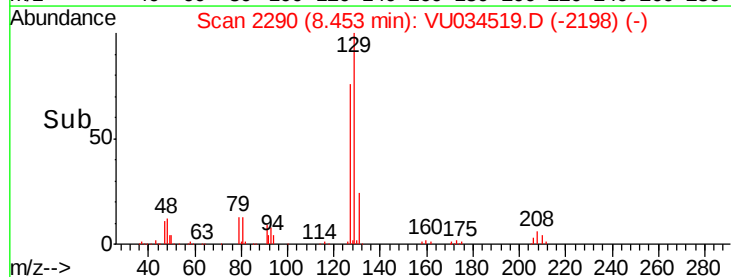
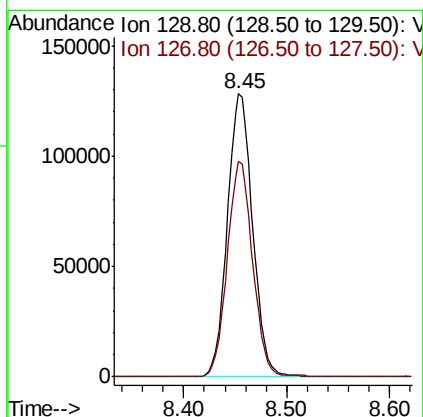
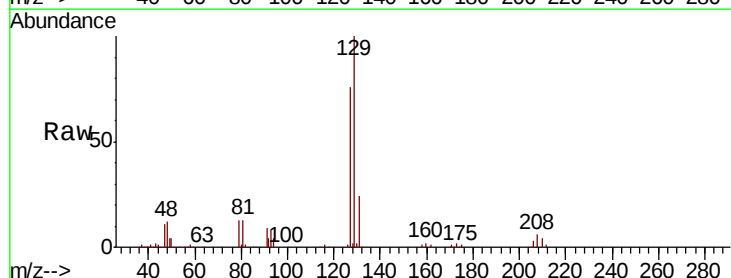
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1077722
Ion Ratio Lower Upper
43 100
58 57.5 28.8 86.5



#60
Dibromochloromethane
Concen: 59.236 ug/l
RT: 8.45 min Scan# 2290
Delta R.T. -0.00 min
Lab File: VU034519.D
Acq: 12 Sep 2019 14:38

Tgt Ion: 129 Resp: 219583
Ion Ratio Lower Upper
129 100
127 76.2 37.9 113.7





#61

1,2-Dibromoethane

Concen: 57.530 ug/l

RT: 8.57 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

Instrument :

MSVOA_U

ClientSampleId :

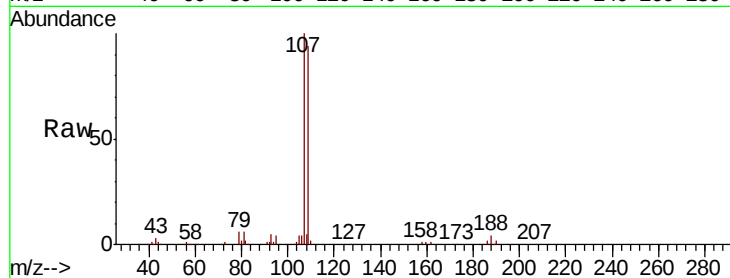
VSTDCCC050EC

Tgt Ion: 107 Resp: 194604

Ion Ratio Lower Upper

107 100

109 93.0 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

120000

100000

80000

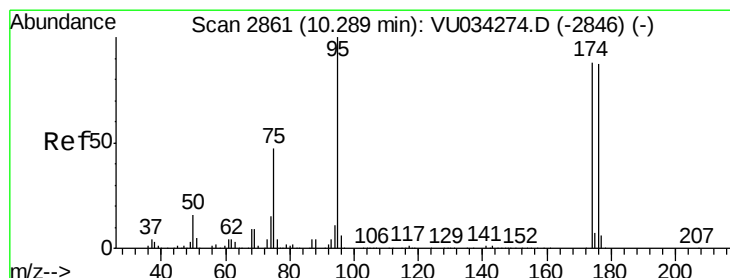
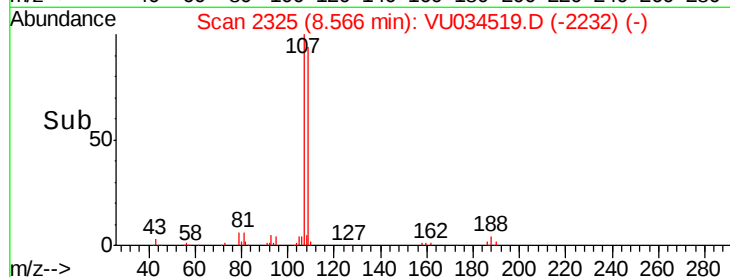
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 52.427 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

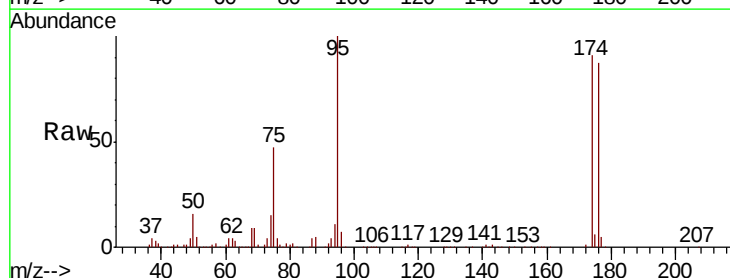
Tgt Ion: 95 Resp: 245346

Ion Ratio Lower Upper

95 100

174 89.2 0.0 175.2

176 85.4 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

200000

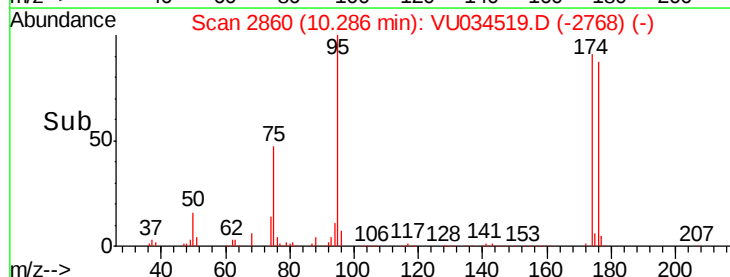
150000

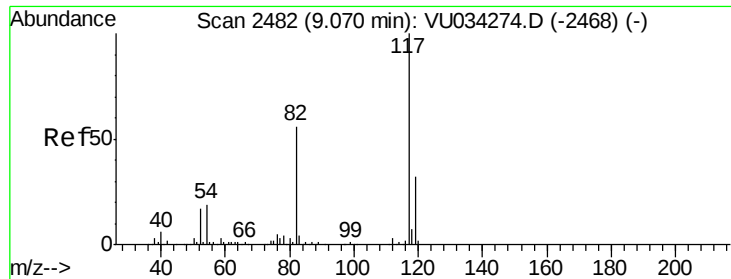
100000

50000

0

Time-->

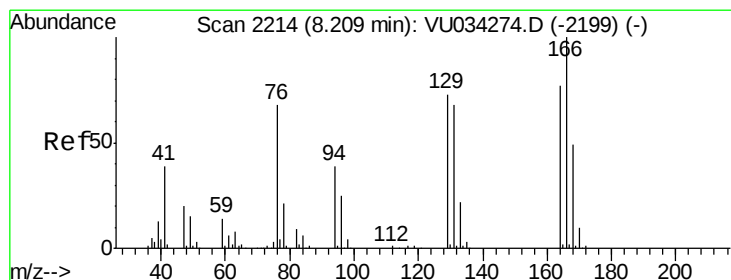
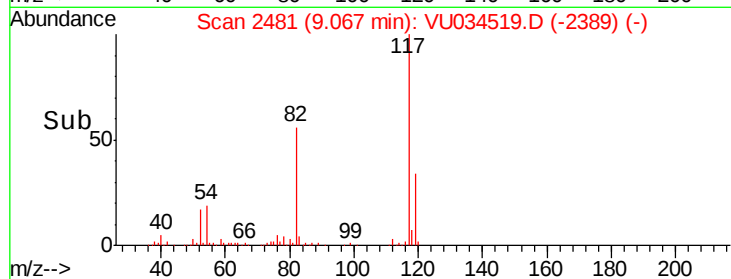
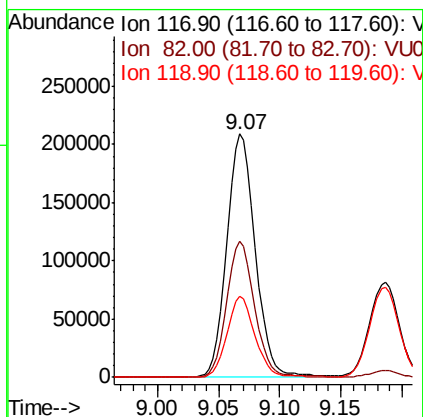
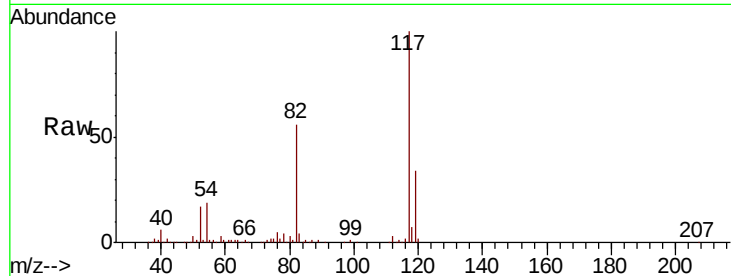




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2481
Delta R.T. -0.00 min
Lab File: VU034519.D
Acq: 12 Sep 2019 14:38

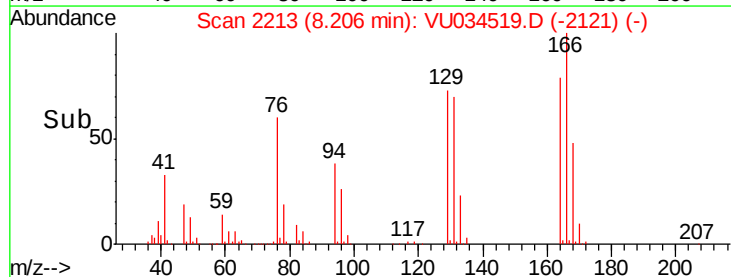
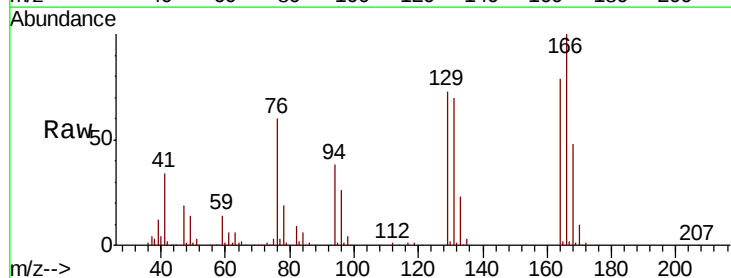
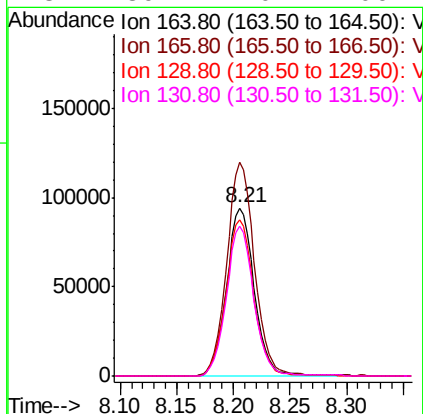
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

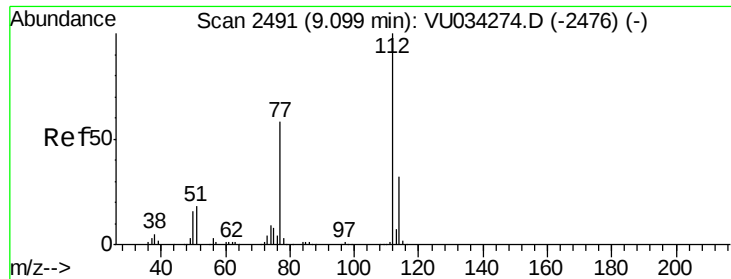
Tgt Ion:117 Resp: 343944
Ion Ratio Lower Upper
117 100
82 55.9 44.6 67.0
119 33.5 25.9 38.9



#64
Tetrachloroethene
Concen: 53.964 ug/l
RT: 8.21 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VU034519.D
Acq: 12 Sep 2019 14:38

Tgt Ion:164 Resp: 161023
Ion Ratio Lower Upper
164 100
166 127.1 103.7 155.5
129 93.3 75.8 113.8
131 89.1 70.7 106.1

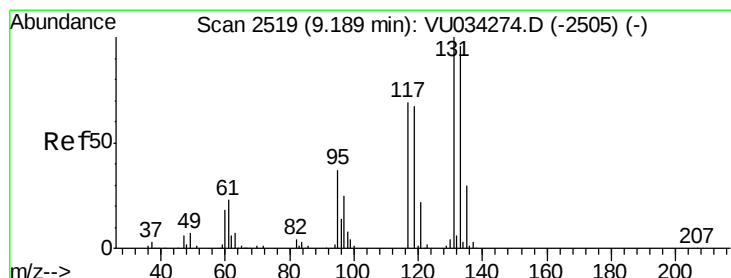
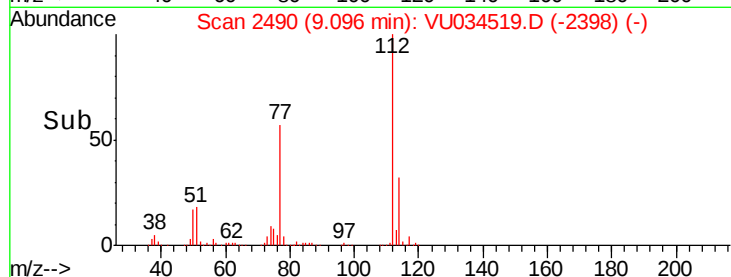
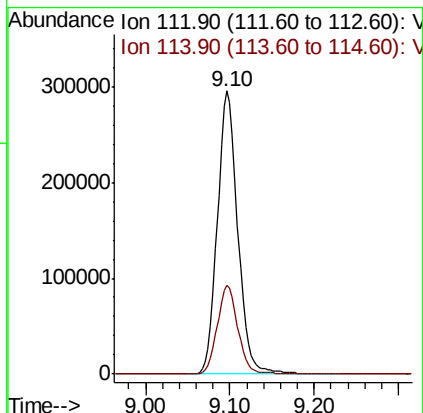
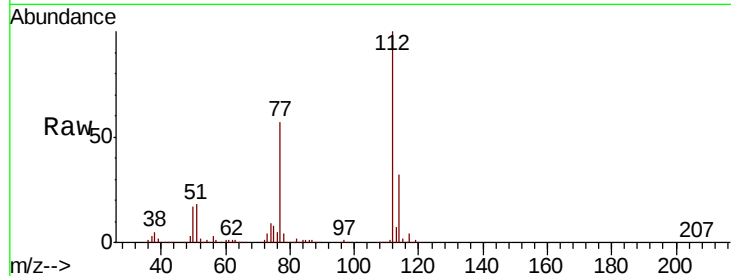




#65
Chlorobenzene
Concen: 57.001 ug/l
RT: 9.10 min Scan# 2490
Delta R.T. -0.00 min
Lab File: VU034519.D
Acq: 12 Sep 2019 14:38

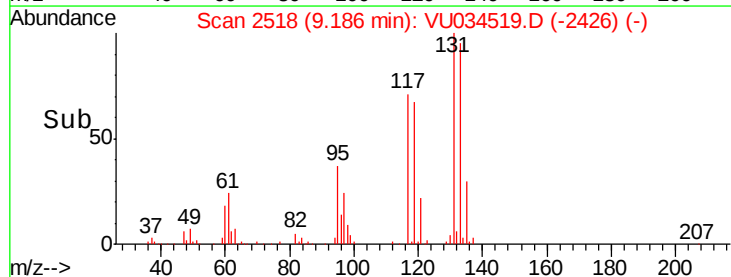
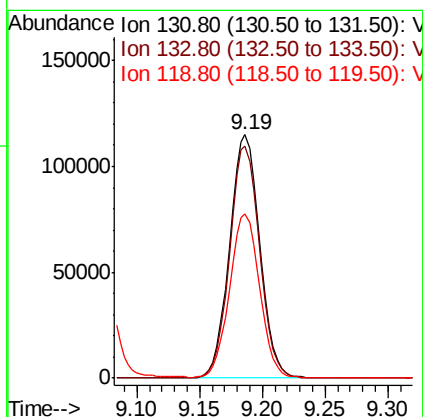
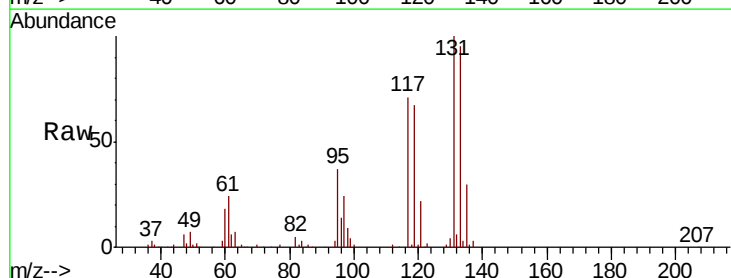
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

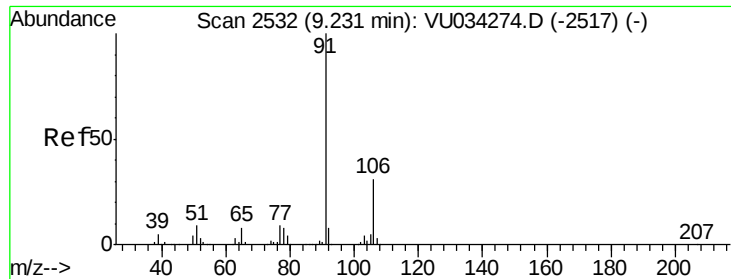
Tgt Ion:112 Resp: 497387
Ion Ratio Lower Upper
112 100
114 31.6 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 57.703 ug/l
RT: 9.19 min Scan# 2518
Delta R.T. -0.00 min
Lab File: VU034519.D
Acq: 12 Sep 2019 14:38

Tgt Ion:131 Resp: 192160
Ion Ratio Lower Upper
131 100
133 94.8 47.9 143.7
119 67.2 33.1 99.5

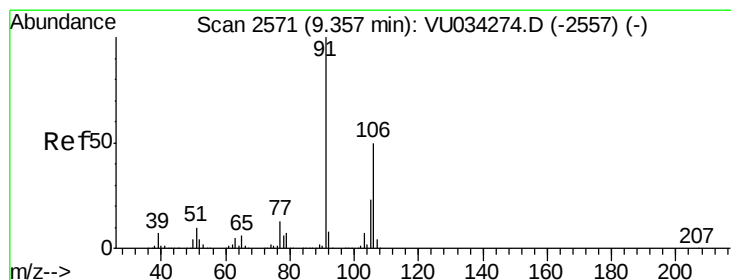
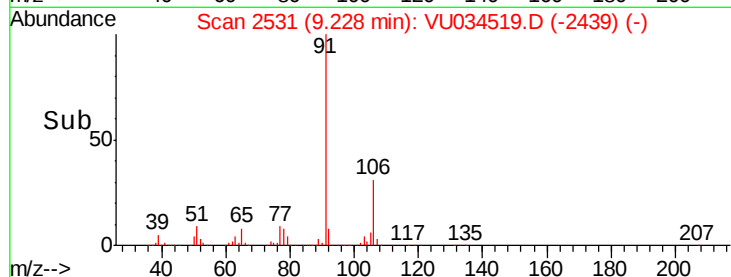
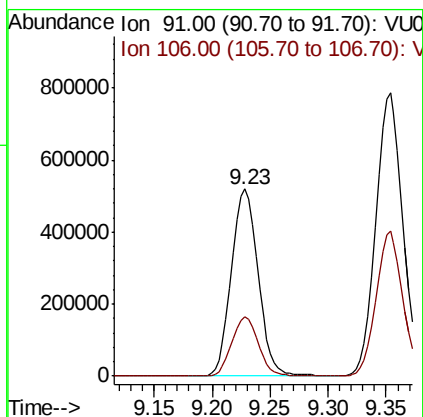
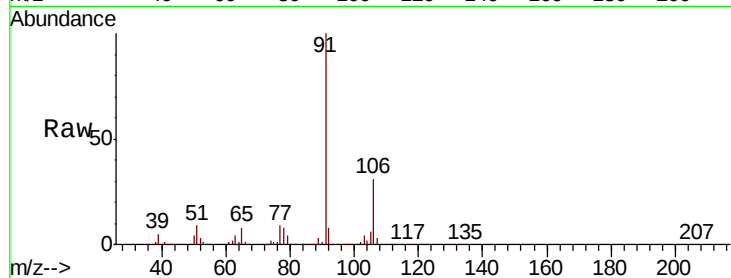




#67
Ethyl Benzene
Concen: 58.288 ug/l
RT: 9.23 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU034519.D
Acq: 12 Sep 2019 14:38

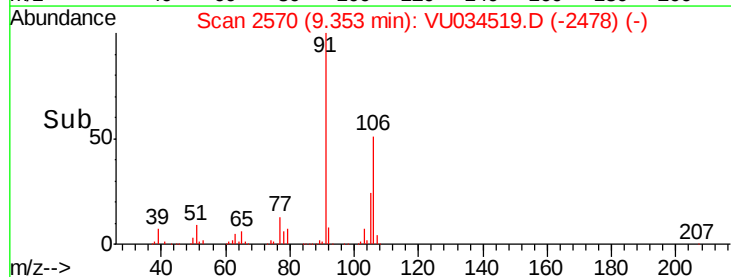
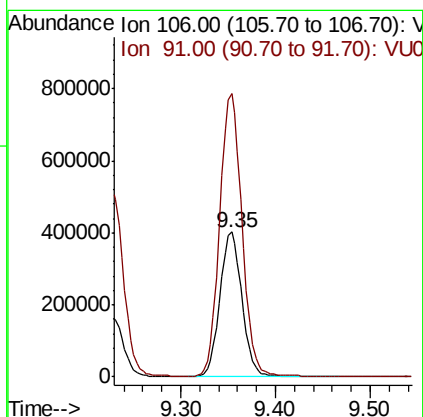
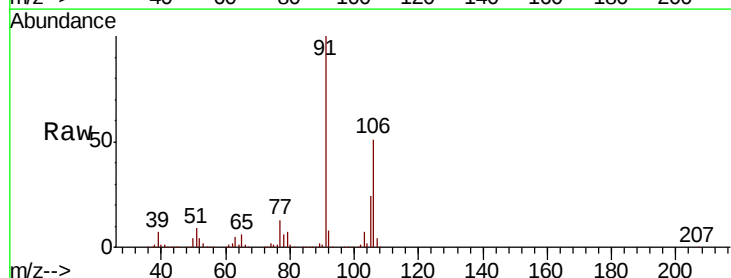
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

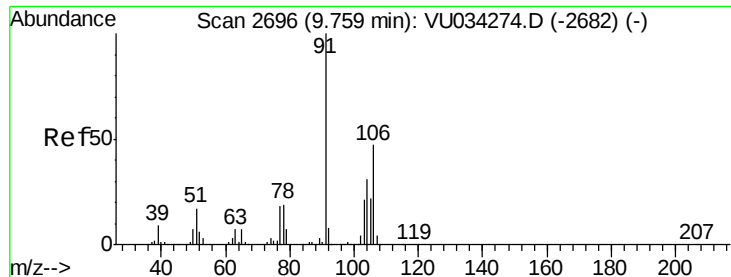
Tgt Ion: 91 Resp: 831630
Ion Ratio Lower Upper
91 100
106 31.5 24.8 37.2



#68
m/p-Xylenes
Concen: 121.256 ug/l
RT: 9.35 min Scan# 2570
Delta R.T. -0.00 min
Lab File: VU034519.D
Acq: 12 Sep 2019 14:38

Tgt Ion: 106 Resp: 651461
Ion Ratio Lower Upper
106 100
91 198.8 160.1 240.1

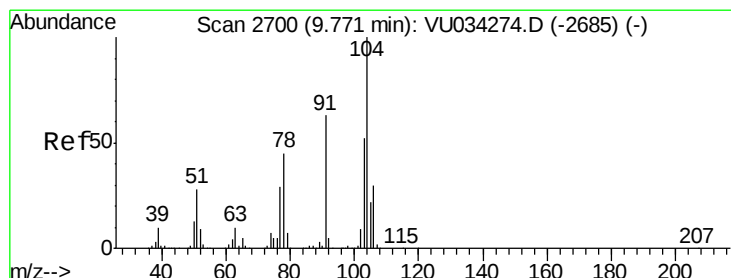
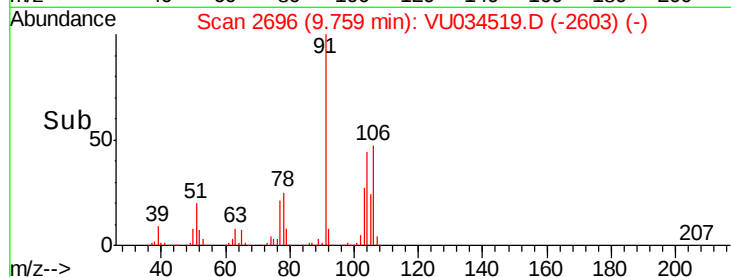
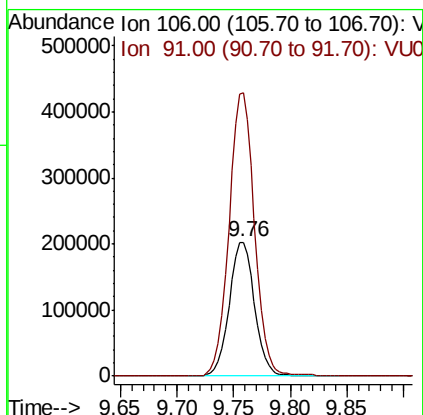
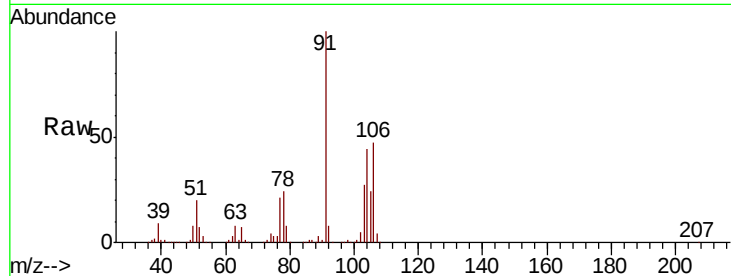




#69
o-Xylene
Concen: 60.230 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. 0.00 min
Lab File: VU034519.D
Acq: 12 Sep 2019 14:38

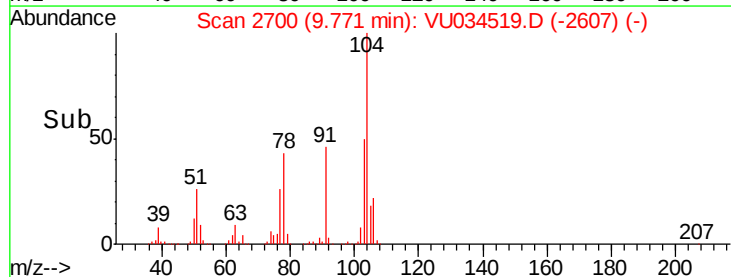
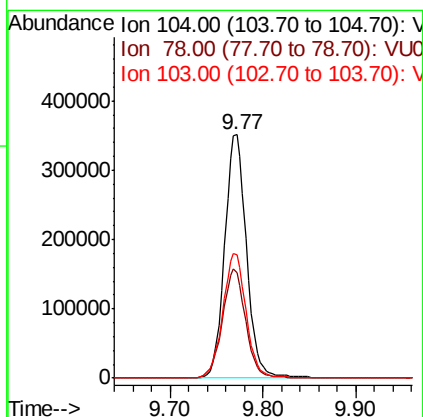
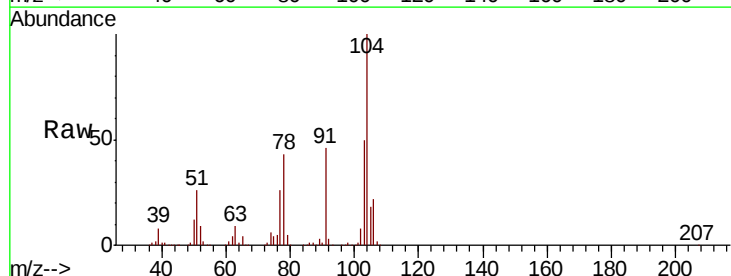
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

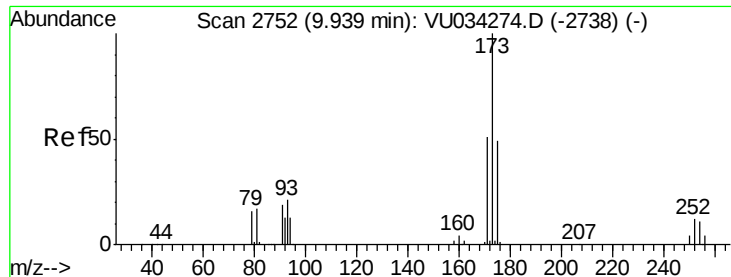
Tgt Ion:106 Resp: 316457
Ion Ratio Lower Upper
106 100
91 211.8 105.1 315.3



#70
Styrene
Concen: 62.397 ug/l
RT: 9.77 min Scan# 2700
Delta R.T. 0.00 min
Lab File: VU034519.D
Acq: 12 Sep 2019 14:38

Tgt Ion:104 Resp: 574798
Ion Ratio Lower Upper
104 100
78 47.8 38.6 57.8
103 54.6 44.2 66.4





#71

Bromoform

Concen: 60.463 ug/l

RT: 9.94 min Scan# 2751

Delta R.T. -0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

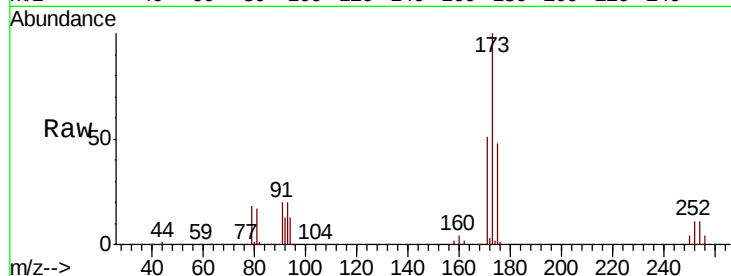
Tgt Ion:173 Resp: 174504

Ion Ratio Lower Upper

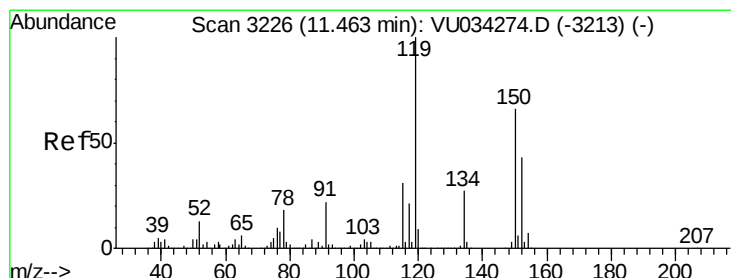
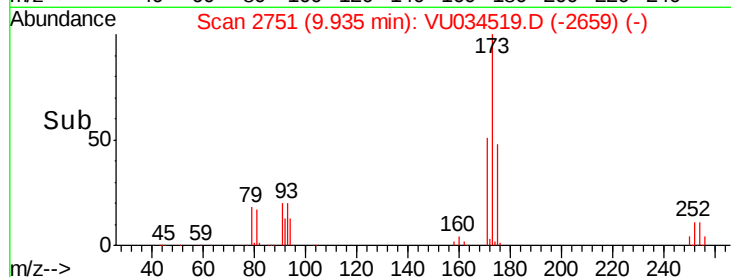
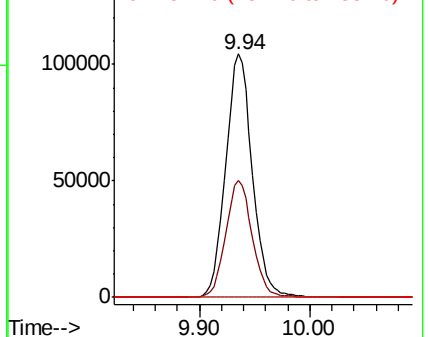
173 100

175 47.9 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# 3225

Delta R.T. -0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

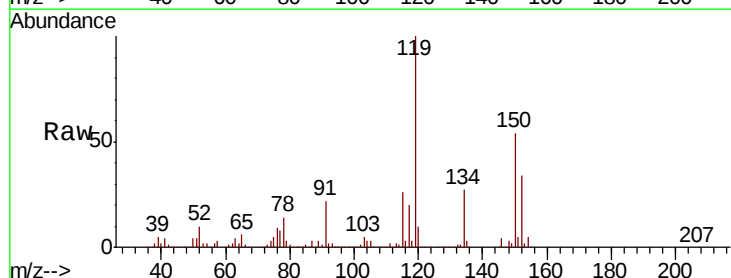
Tgt Ion:152 Resp: 233791

Ion Ratio Lower Upper

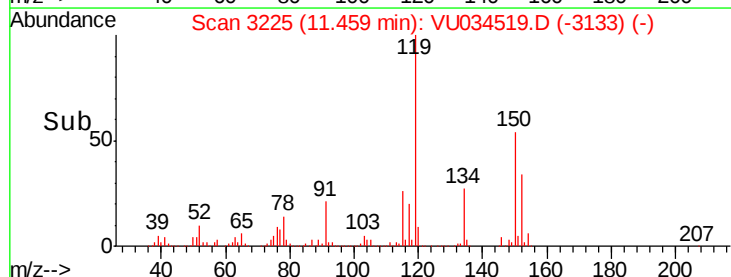
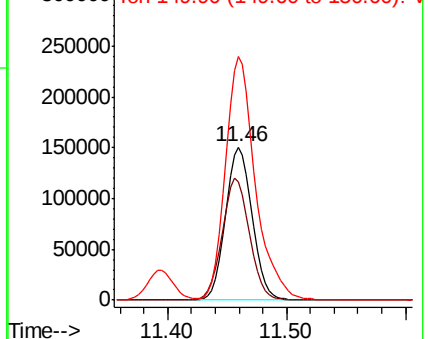
152 100

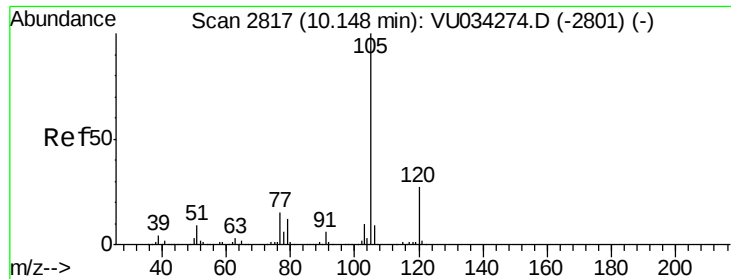
115 81.5 39.1 117.3

150 177.5 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: 57.865 ug/l

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

Instrument :

MSVOA_U

ClientSampleId :

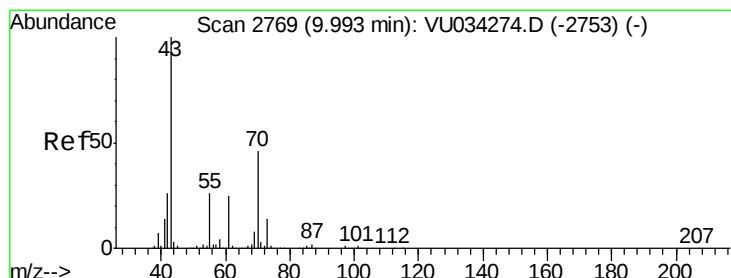
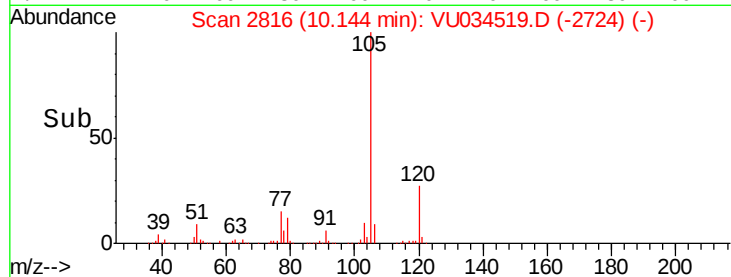
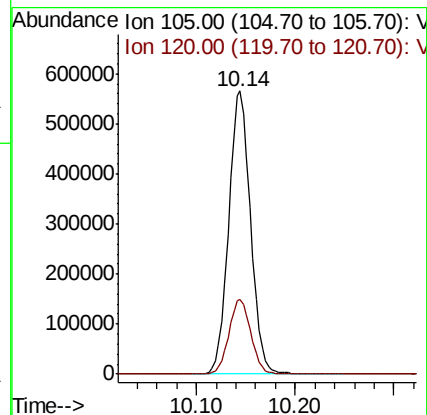
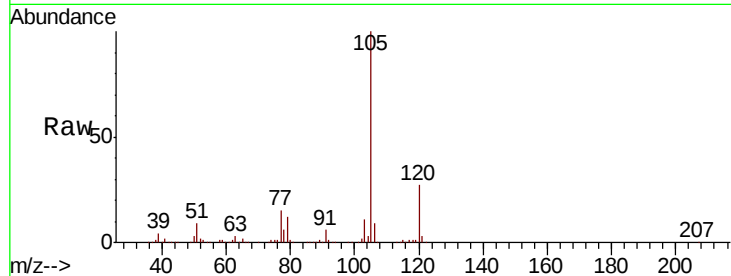
VSTDCCC050EC

Tgt Ion: 105 Resp: 880396

Ion Ratio Lower Upper

105 100

120 26.5 13.4 40.2



#74

N-ethyl acetate

Concen: 59.717 ug/l

RT: 9.99 min Scan# 2768

Delta R.T. -0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

Tgt Ion: 43 Resp: 365725

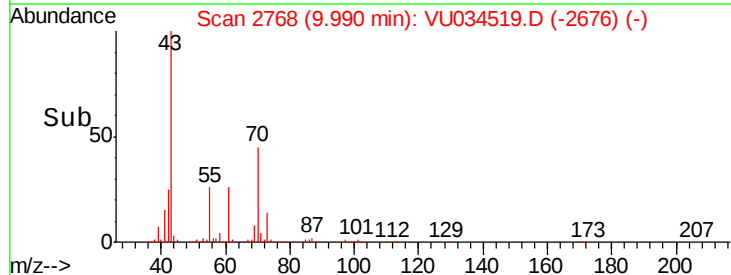
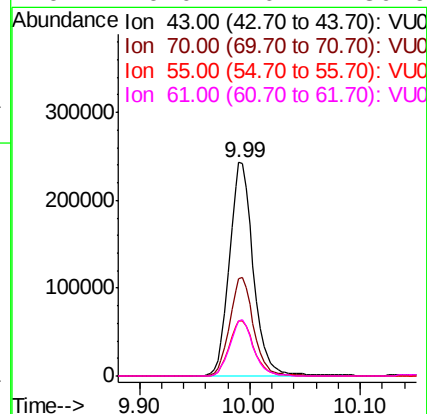
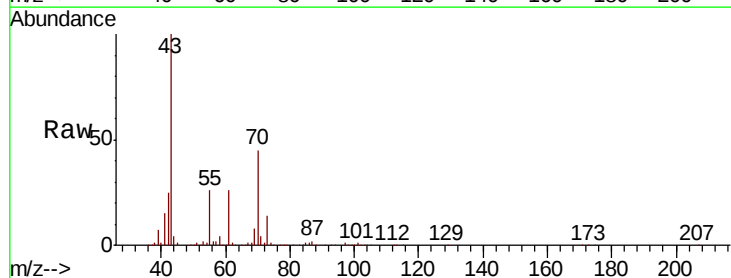
Ion Ratio Lower Upper

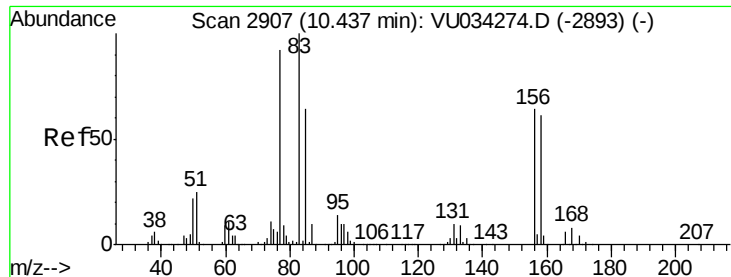
43 100

70 46.0 36.4 54.6

55 26.9 21.2 31.8

61 26.0 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 55.922 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

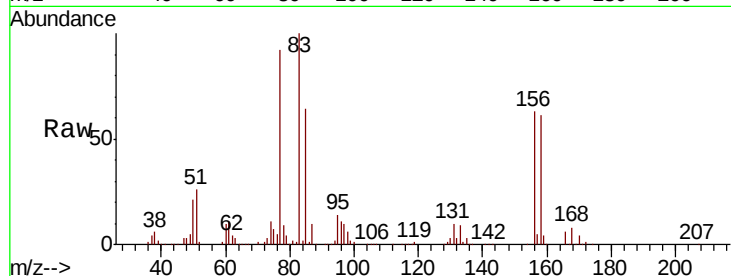
Tgt Ion: 83 Resp: 344397

Ion Ratio Lower Upper

83 100

131 9.8 5.1 15.2

85 63.4 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VU034519.D (-2893) (-)

Ion 130.80 (130.50 to 131.50): VU034519.D (-2893) (-)

Ion 84.90 (84.60 to 85.60): VU034519.D (-2893) (-)

10.43

200000

150000

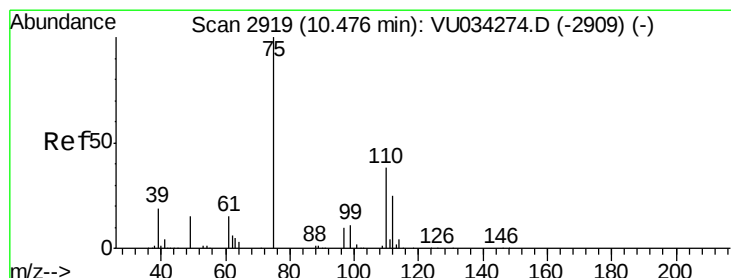
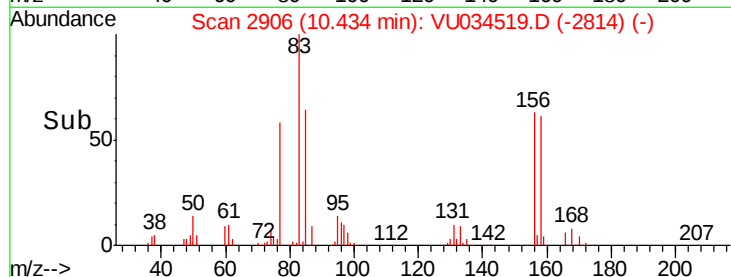
100000

50000

0

10.40 10.50

Time-->



#76

1,2,3-Trichloropropane

Concen: 73.485 ug/l

RT: 10.47 min Scan# 2917

Delta R.T. -0.01 min

Lab File: VU034519.D

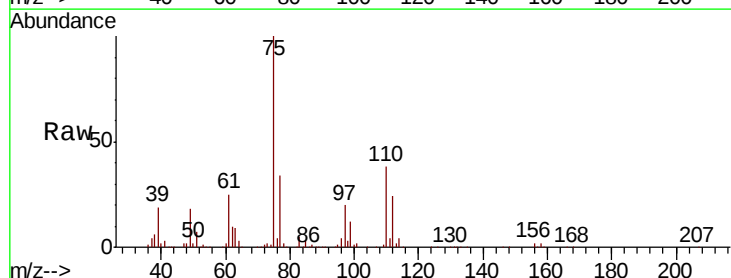
Acq: 12 Sep 2019 14:38

Tgt Ion: 75 Resp: 375010

Ion Ratio Lower Upper

75 100

77 31.2 20.8 62.2



Abundance Ion 74.90 (74.60 to 75.60): VU034519.D (-2826) (-)

Ion 77.00 (76.70 to 77.70): VU034519.D (-2826) (-)

250000

200000

150000

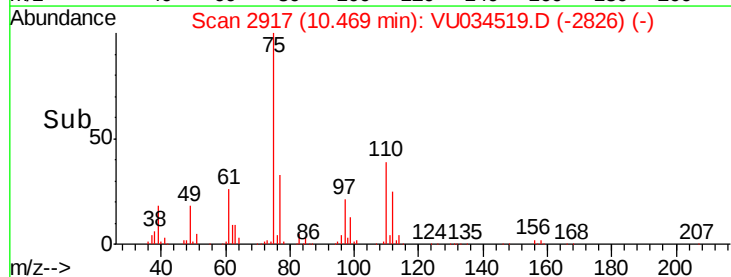
100000

50000

0

10.40 10.50 10.55

Time-->





#77

Bromobenzene

Concen: 56.305 ug/l

RT: 10.43 min Scan# 2905

Delta R.T. -0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

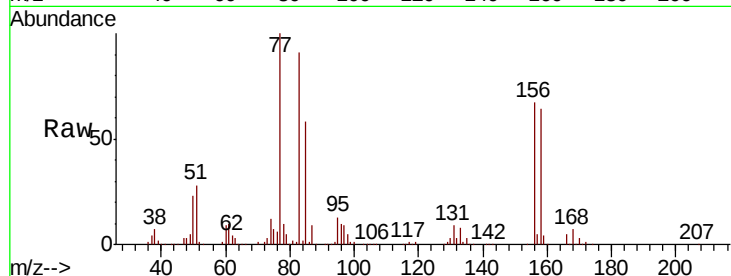
Tgt Ion:156 Resp: 239532

Ion Ratio Lower Upper

156 100

77 149.7 75.6 226.9

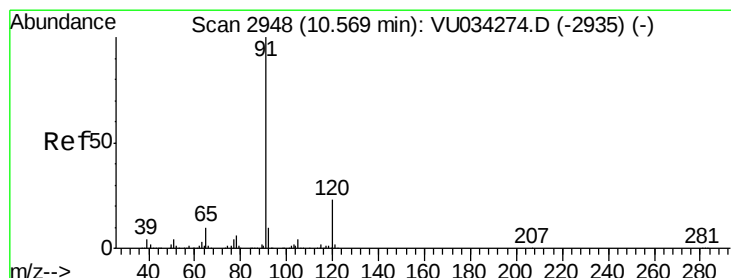
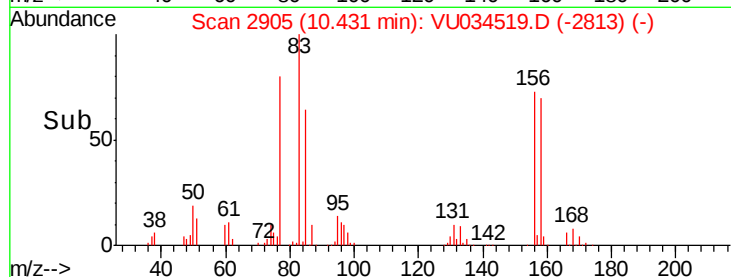
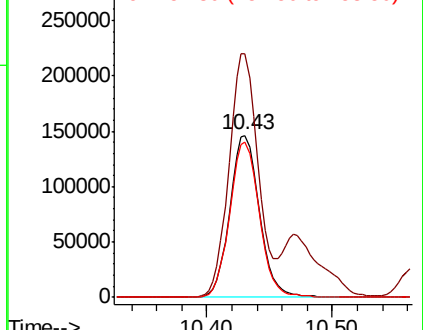
158 96.3 48.2 144.6



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: 58.084 ug/l

RT: 10.57 min Scan# 2947

Delta R.T. -0.00 min

Lab File: VU034519.D

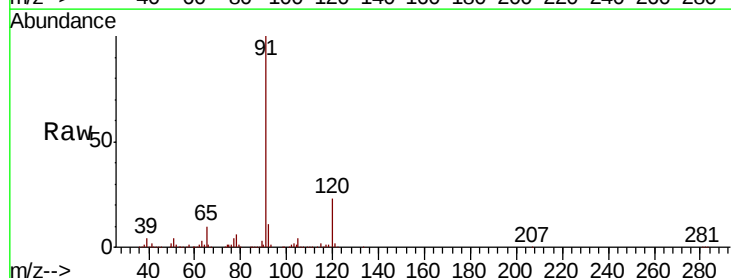
Acq: 12 Sep 2019 14:38

Tgt Ion: 91 Resp: 1020618

Ion Ratio Lower Upper

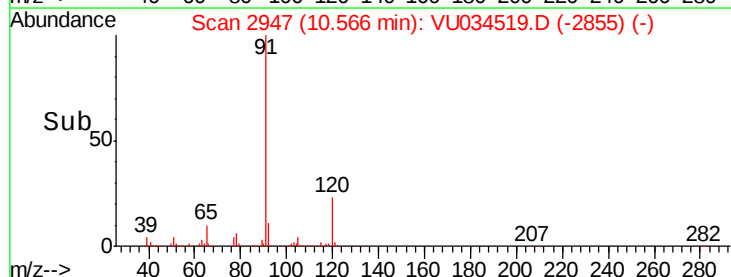
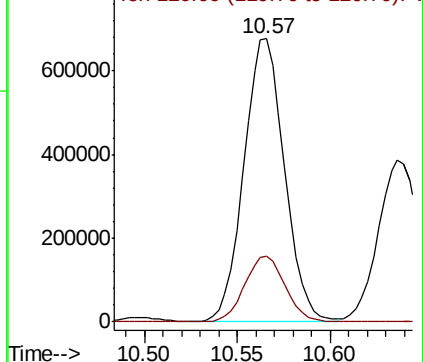
91 100

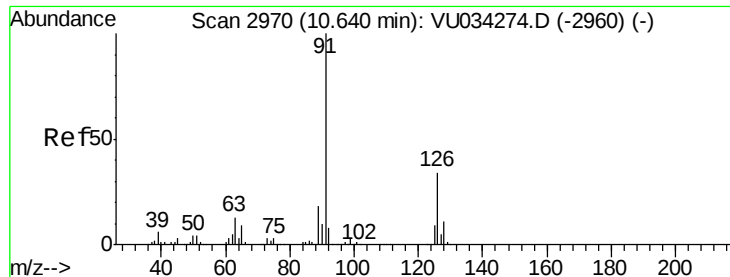
120 23.4 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 57.252 ug/l

RT: 10.64 min Scan# 2969

Delta R.T. -0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

Instrument :

MSVOA_U

ClientSampleId :

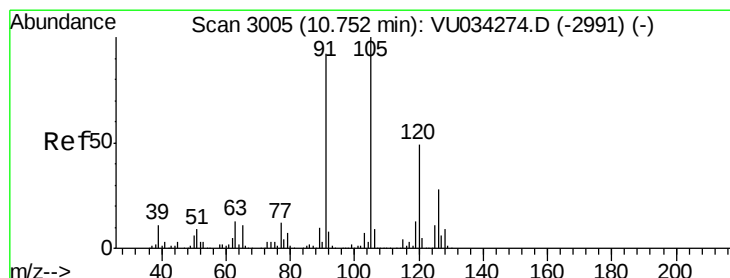
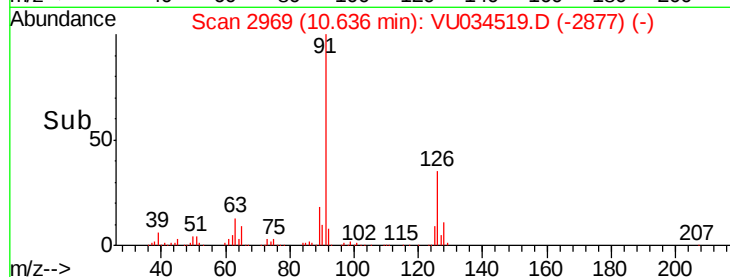
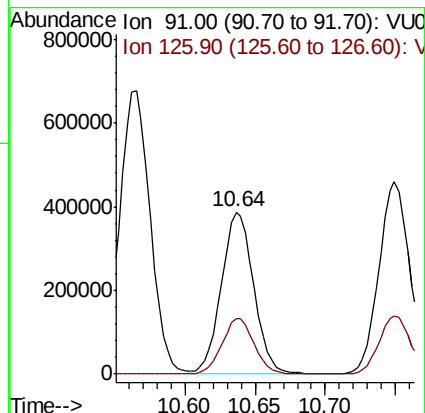
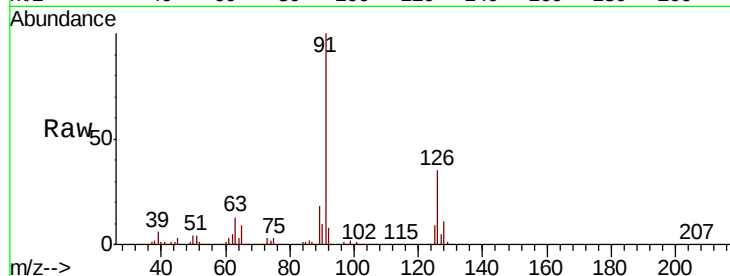
VSTDCCC050EC

Tgt Ion: 91 Resp: 613820

Ion Ratio Lower Upper

91 100

126 34.5 17.3 51.9



#80

1,3,5-Trimethylbenzene

Concen: 60.348 ug/l

RT: 10.75 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VU034519.D

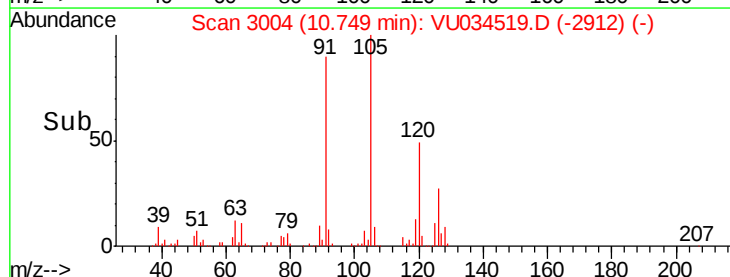
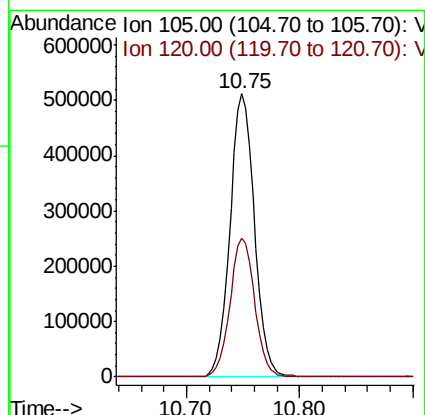
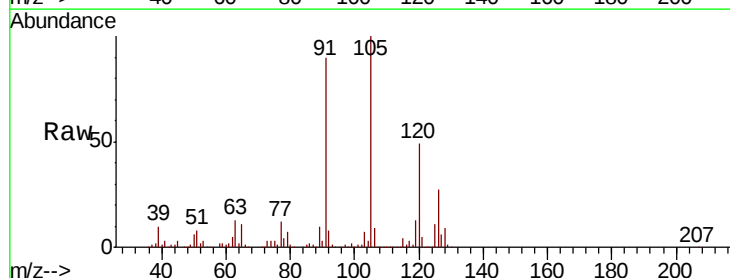
Acq: 12 Sep 2019 14:38

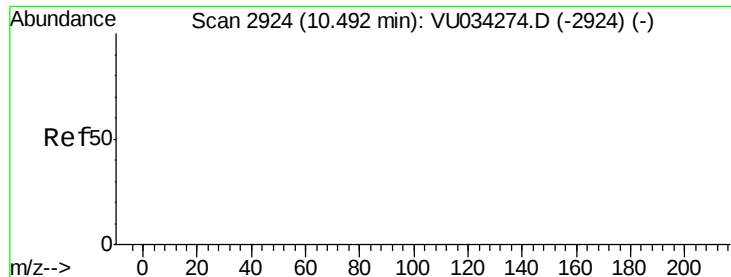
Tgt Ion: 105 Resp: 767896

Ion Ratio Lower Upper

105 100

120 49.6 24.9 74.7

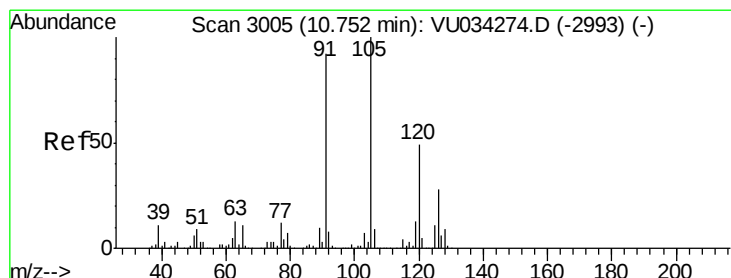
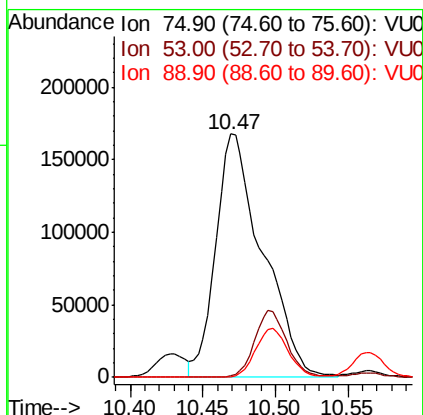
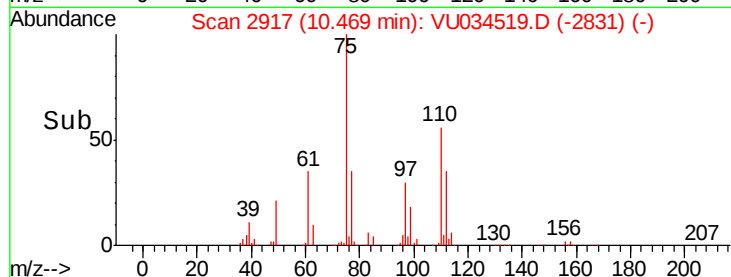
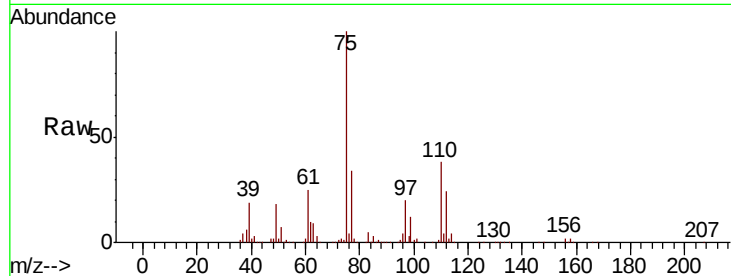




#81
trans-1,4-Dichloro-2-butene
Concen: 247.124 ug/l
RT: 10.47 min Scan# 2917
Delta R.T. -0.02 min
Lab File: VU034519.D
Acq: 12 Sep 2019 14:38

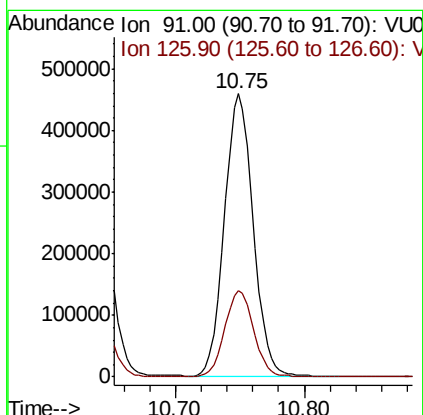
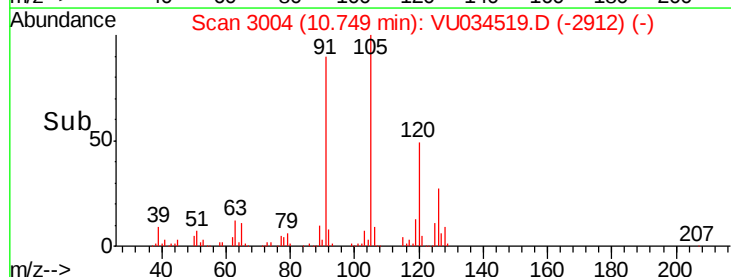
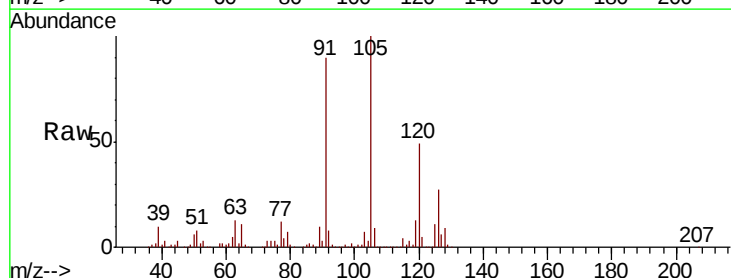
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

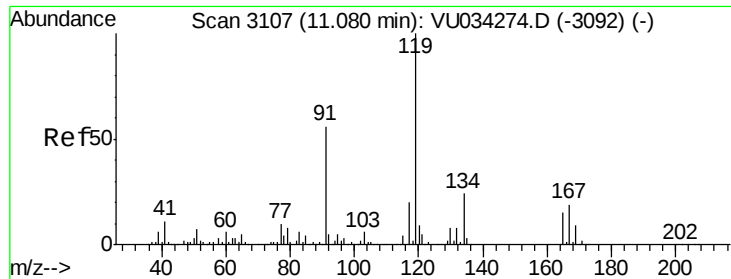
Tgt Ion: 75 Resp: 375010
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 57.313 ug/l
RT: 10.75 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VU034519.D
Acq: 12 Sep 2019 14:38

Tgt Ion: 91 Resp: 707133
Ion Ratio Lower Upper
91 100
126 30.9 15.3 45.8

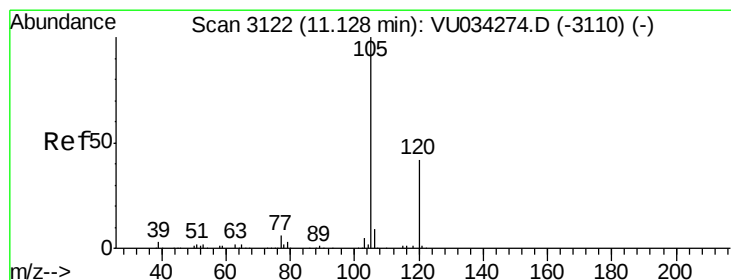
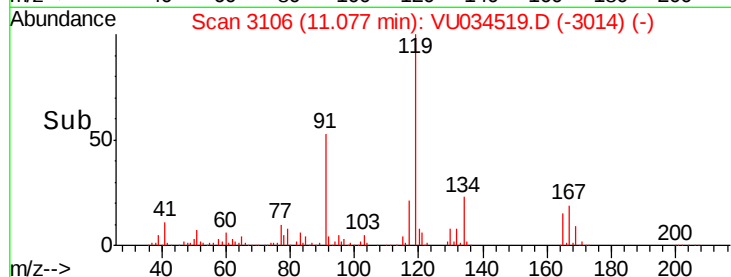
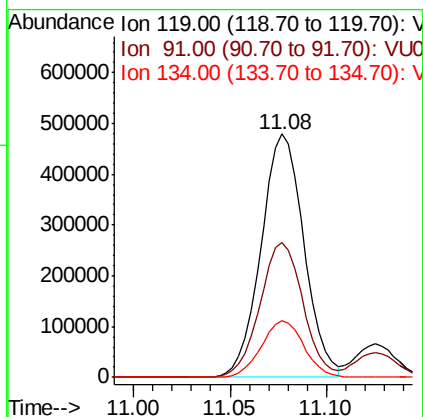
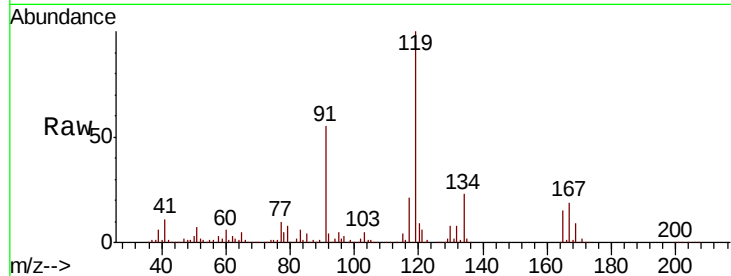




#83
 tert-Butylbenzene
 Concen: 58.255 ug/l
 RT: 11.08 min Scan# 3106
 Delta R.T. -0.00 min
 Lab File: VU034519.D
 Acq: 12 Sep 2019 14:38

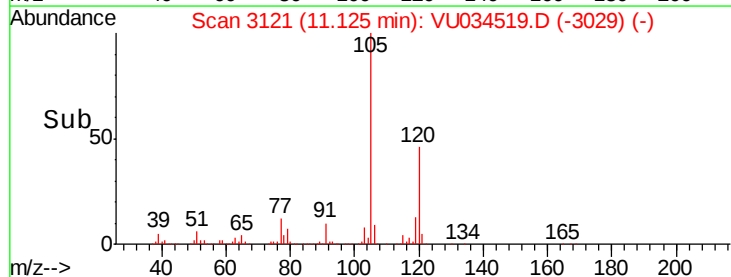
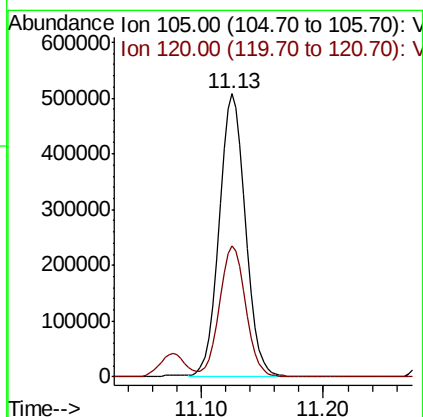
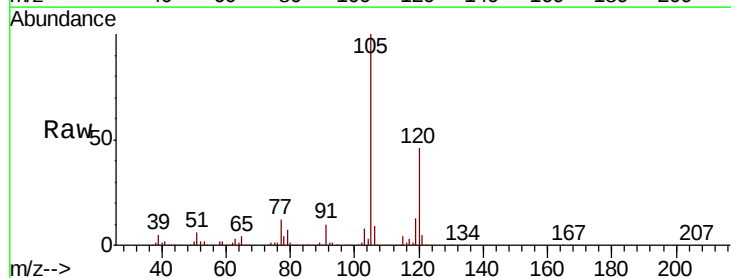
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

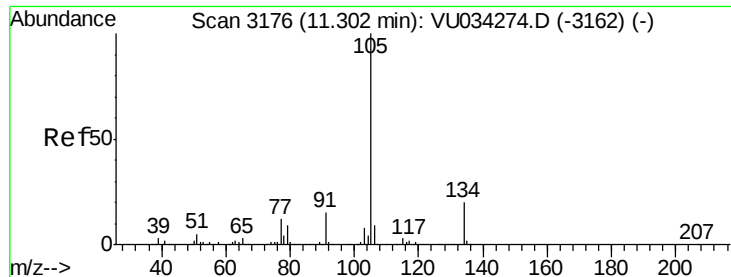
Tgt Ion:119 Resp: 741552
 Ion Ratio Lower Upper
 119 100
 91 55.6 27.8 83.4
 134 23.3 11.7 35.0



#84
 1,2,4-Trimethylbenzene
 Concen: 60.003 ug/l
 RT: 11.13 min Scan# 3121
 Delta R.T. -0.00 min
 Lab File: VU034519.D
 Acq: 12 Sep 2019 14:38

Tgt Ion:105 Resp: 768564
 Ion Ratio Lower Upper
 105 100
 120 46.3 22.9 68.8





#85

sec-Butylbenzene

Concen: 59.132 ug/l

RT: 11.30 min Scan# 3176

Delta R.T. 0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

Instrument :

MSVOA_U

ClientSampleId :

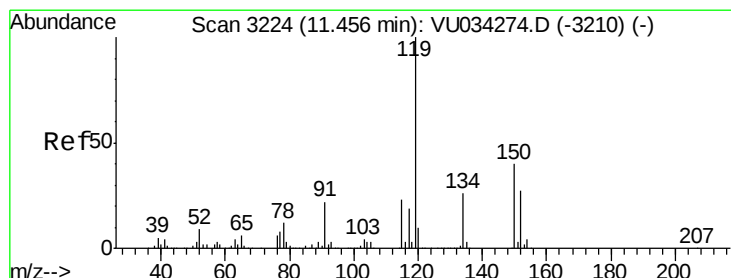
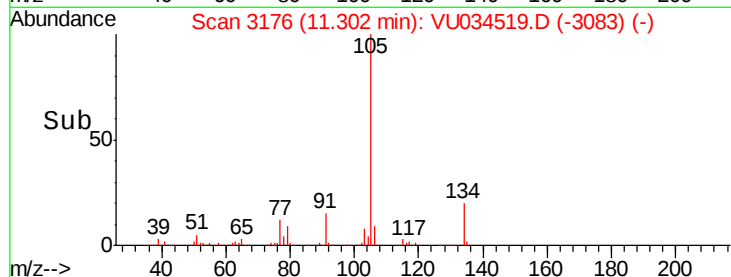
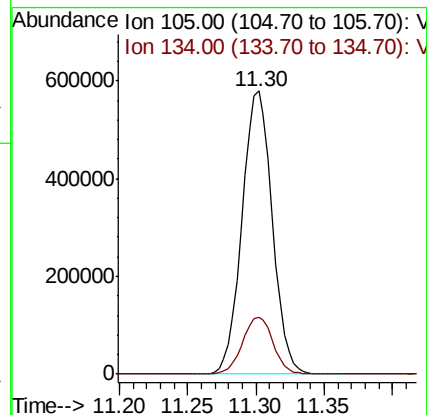
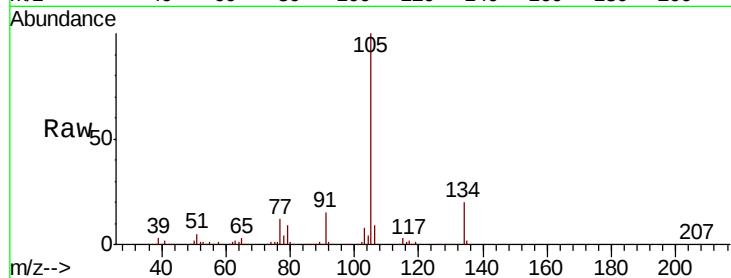
VSTDCCC050EC

Tgt Ion:105 Resp: 888631

Ion Ratio Lower Upper

105 100

134 20.5 10.1 30.3



#86

p-Isopropyltoluene

Concen: 59.769 ug/l

RT: 11.45 min Scan# 3223

Delta R.T. -0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

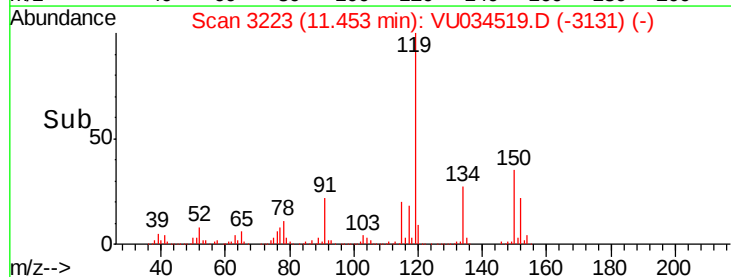
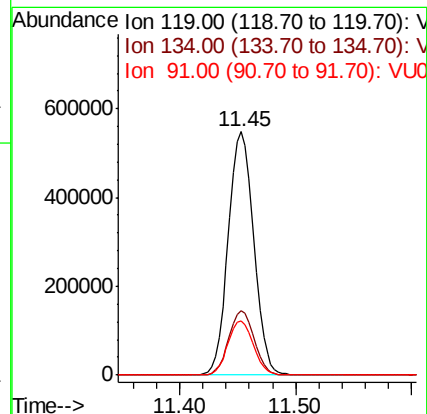
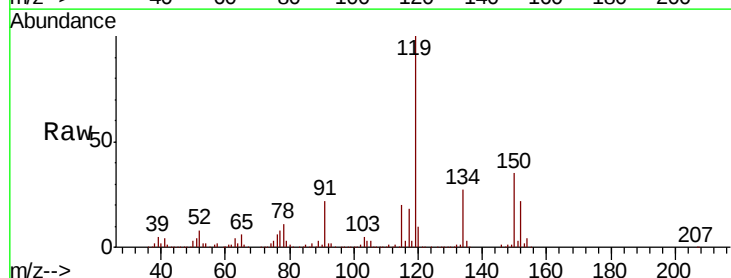
Tgt Ion:119 Resp: 829030

Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.8

91 22.2 11.2 33.6

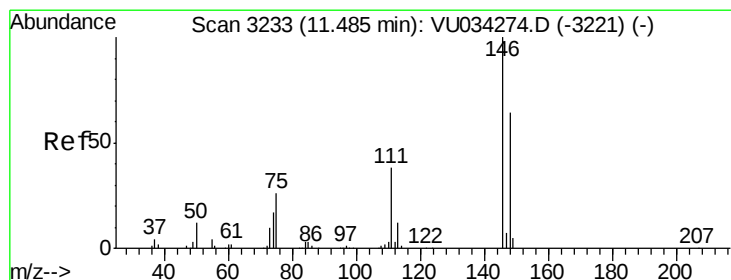
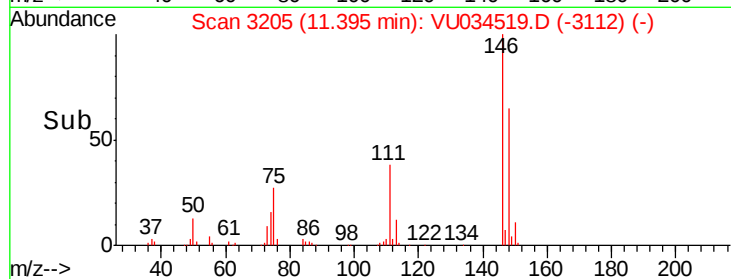
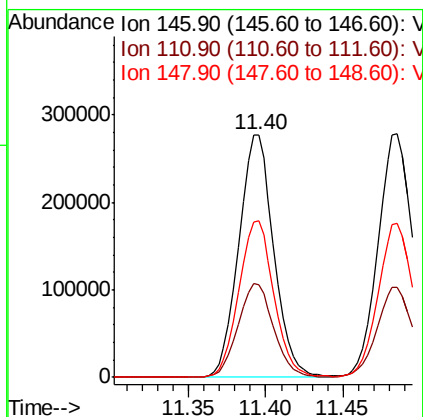
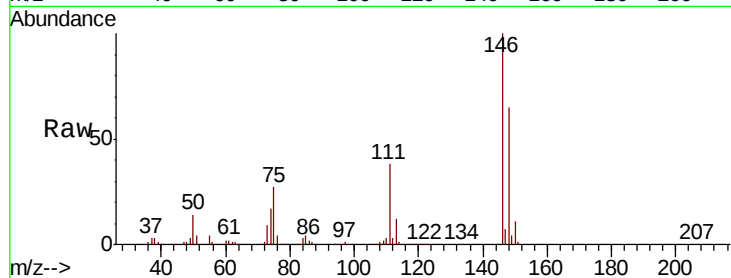




#87
 1,3-Dichlorobenzene
 Concen: 56.102 ug/l
 RT: 11.40 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU034519.D
 Acq: 12 Sep 2019 14:38

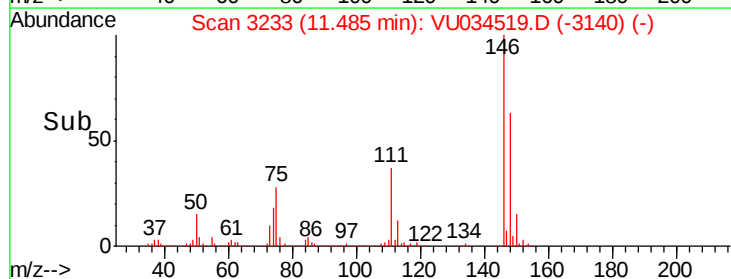
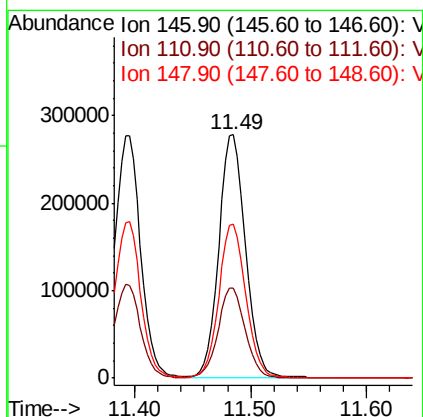
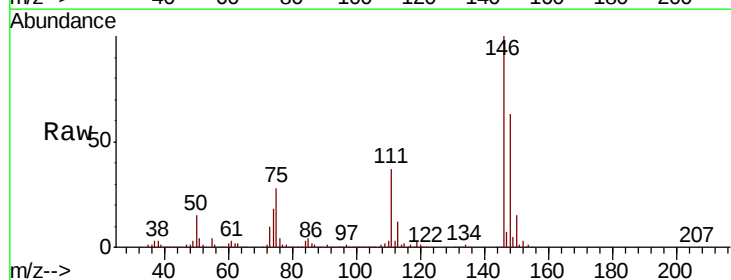
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

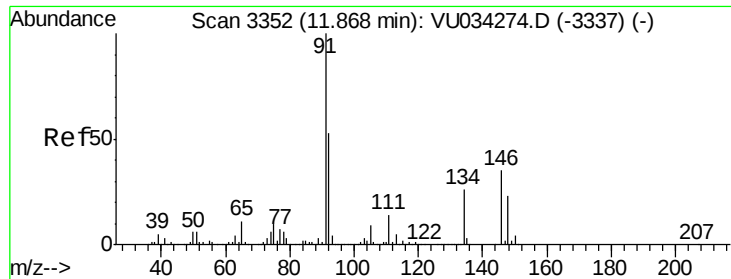
Tgt Ion:146 Resp: 435517
 Ion Ratio Lower Upper
 146 100
 111 39.2 19.5 58.5
 148 64.8 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 54.847 ug/l
 RT: 11.49 min Scan# 3233
 Delta R.T. 0.00 min
 Lab File: VU034519.D
 Acq: 12 Sep 2019 14:38

Tgt Ion:146 Resp: 444099
 Ion Ratio Lower Upper
 146 100
 111 37.5 19.1 57.3
 148 64.0 32.0 96.0

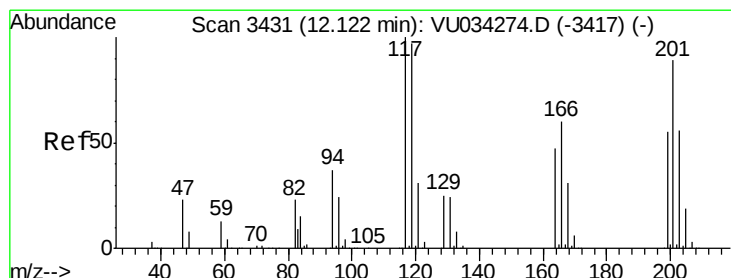
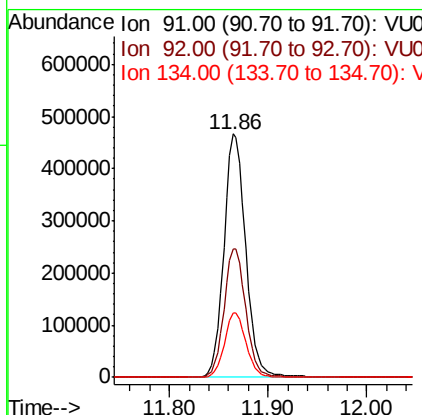
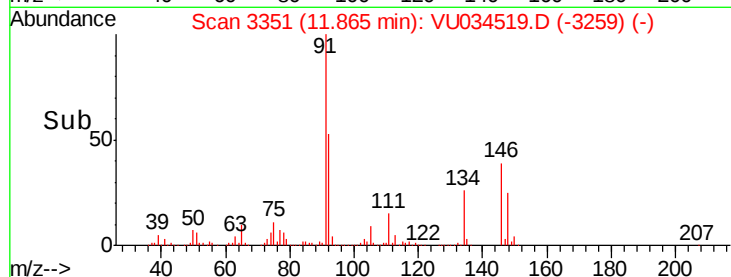
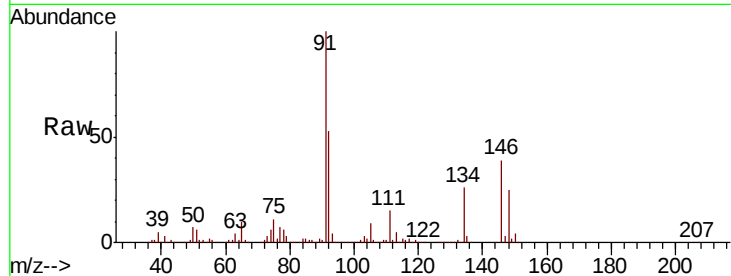




#89
n-Butylbenzene
Concen: 59.962 ug/l
RT: 11.86 min Scan# 3351
Delta R.T. -0.00 min
Lab File: VU034519.D
Acq: 12 Sep 2019 14:38

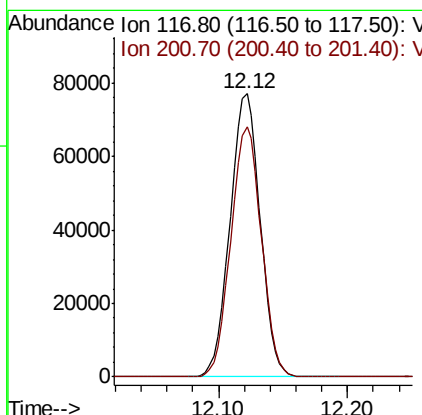
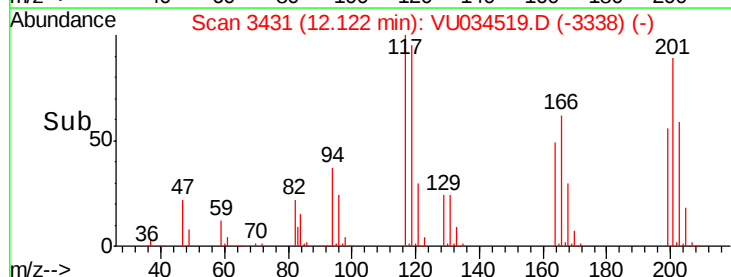
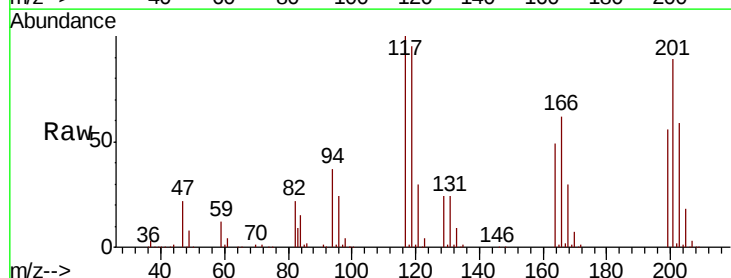
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

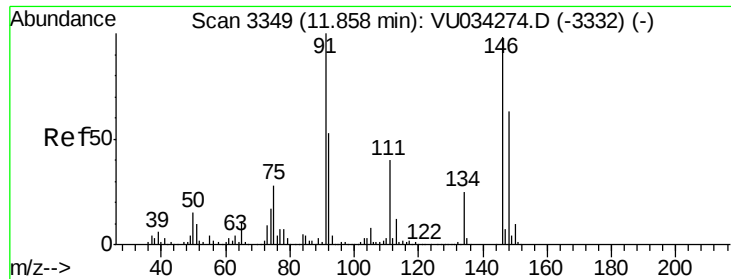
Tgt Ion: 91 Resp: 722770
Ion Ratio Lower Upper
91 100
92 52.8 26.5 79.4
134 26.3 13.2 39.6



#90
Hexachloroethane
Concen: 56.439 ug/l
RT: 12.12 min Scan# 3431
Delta R.T. 0.00 min
Lab File: VU034519.D
Acq: 12 Sep 2019 14:38

Tgt Ion: 117 Resp: 125245
Ion Ratio Lower Upper
117 100
201 89.3 44.1 132.4





#91

1,2-Dichlorobenzene

Concen: 57.142 ug/l

RT: 11.85 min Scan# 3348

Delta R.T. -0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

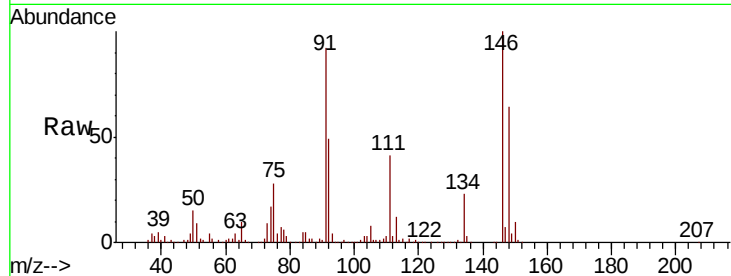
Tgt Ion:146 Resp: 435956

Ion Ratio Lower Upper

146 100

111 40.5 20.0 60.0

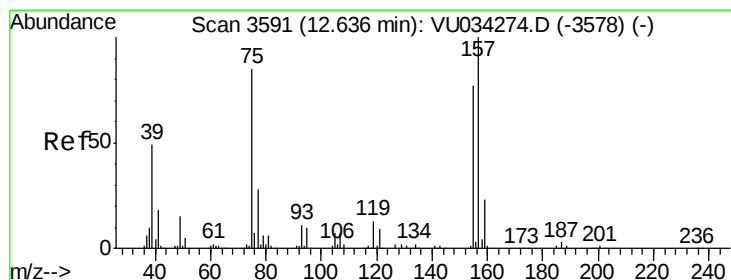
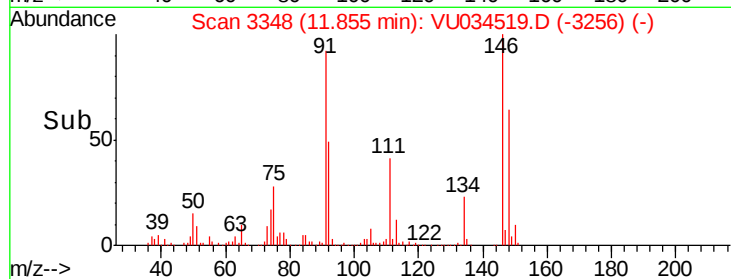
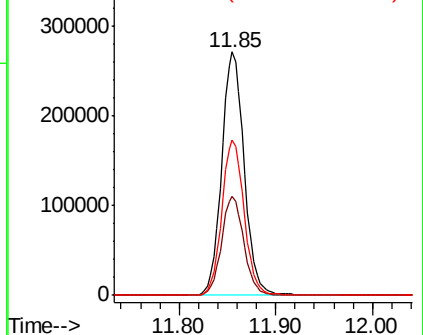
148 63.6 31.6 94.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 61.328 ug/l

RT: 12.63 min Scan# 3590

Delta R.T. -0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

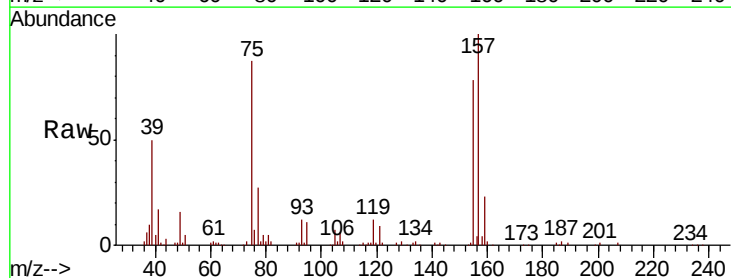
Tgt Ion: 75 Resp: 69403

Ion Ratio Lower Upper

75 100

155 90.6 44.6 134.0

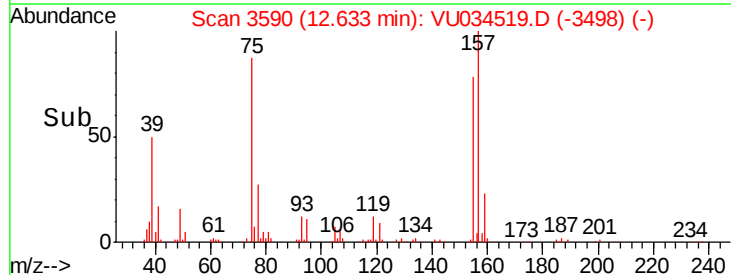
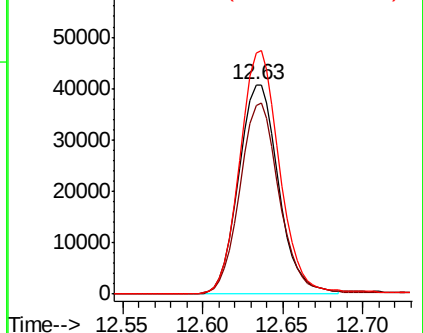
157 116.1 58.2 174.6

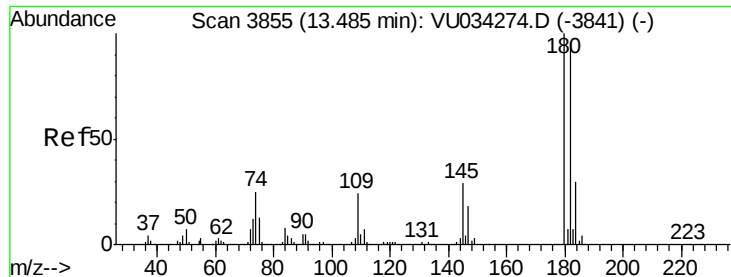


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

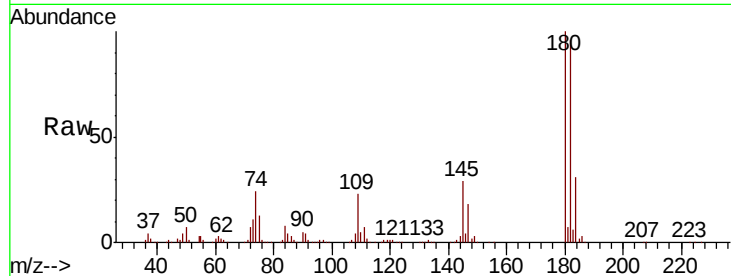




#93
 1,2,4-Trichlorobenzene
 Concen: 52.986 ug/l
 RT: 13.48 min Scan# 3854
 Delta R.T. -0.00 min
 Lab File: VU034519.D
 Acq: 12 Sep 2019 14:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.9	143.8
145	28.4	14.4	43.0

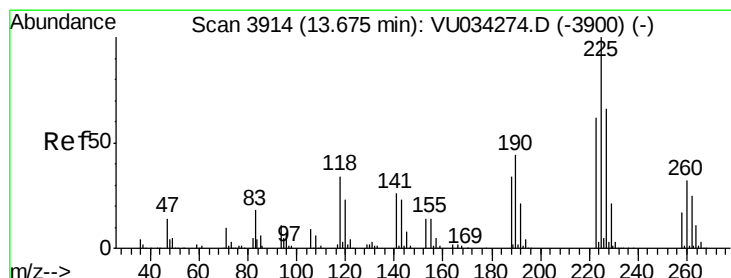
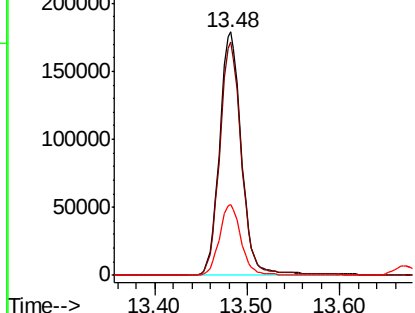
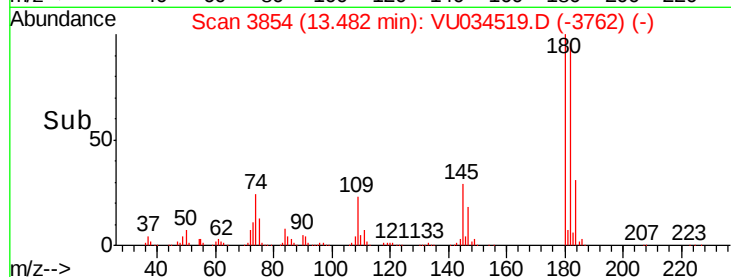


Abundance

Ion 179.80 (179.50 to 180.50): V

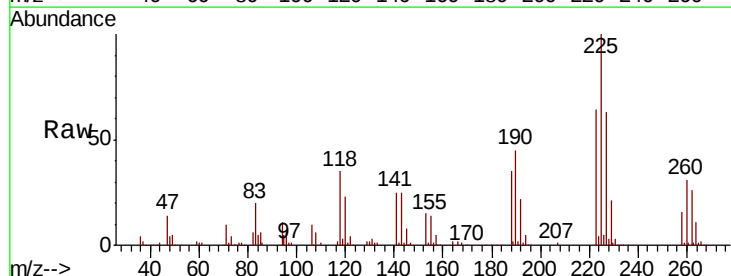
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 52.197 ug/l
 RT: 13.67 min Scan# 3912
 Delta R.T. -0.01 min
 Lab File: VU034519.D
 Acq: 12 Sep 2019 14:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.6	94.7
227	62.8	32.3	96.8

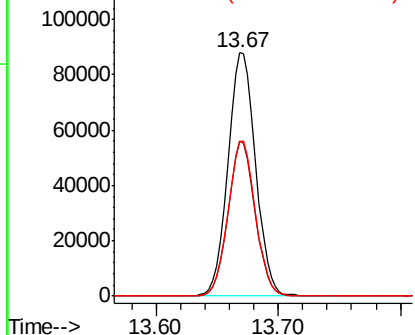
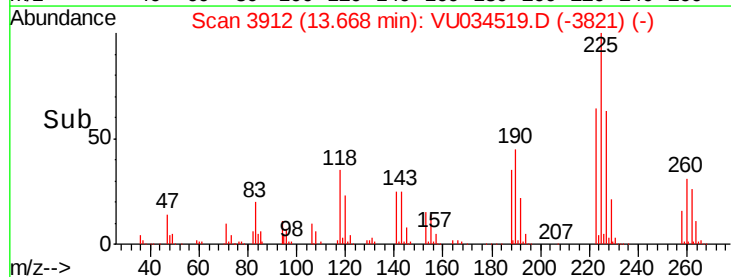


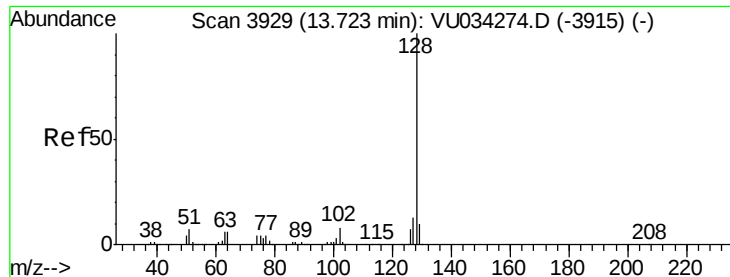
Abundance

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

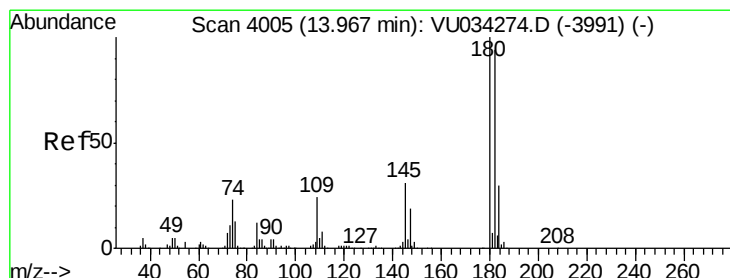
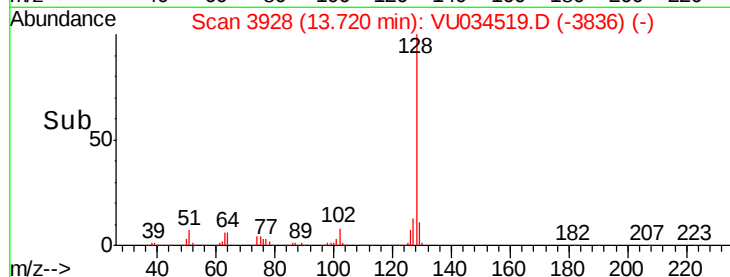
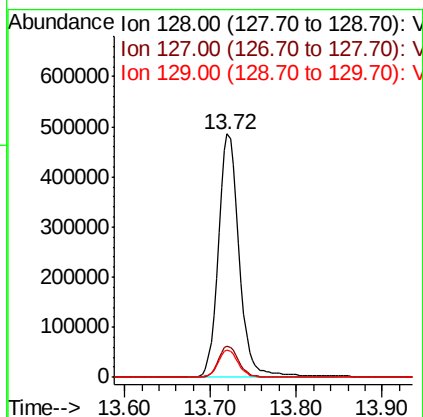
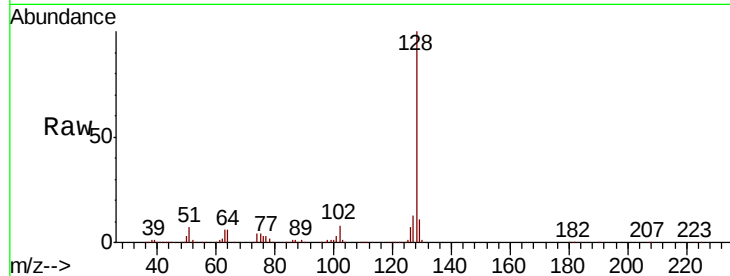




#95
Naphthalene
Concen: 52.457 ug/l
RT: 13.72 min Scan# 3928
Delta R.T. -0.00 min
Lab File: VU034519.D
Acq: 12 Sep 2019 14:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 820674
Ion Ratio Lower Upper
128 100
127 12.7 10.6 15.8
129 10.9 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 54.839 ug/l
RT: 13.96 min Scan# 4004
Delta R.T. -0.00 min
Lab File: VU034519.D
Acq: 12 Sep 2019 14:38

Tgt Ion:180 Resp: 294523
Ion Ratio Lower Upper
180 100
182 95.1 48.4 145.0
145 30.4 15.4 46.4

