

Data File : VU034480.D
Acq On : 11 Sep 2019 17:09
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Quant Time: Sep 12 04:39:08 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	263124	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	365215	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	367257	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	249514	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.28	65	205912	51.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.44%	
35) Dibromofluoromethane	4.86	113	187544	55.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.38%	
50) Toluene-d8	7.54	98	703314	55.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.18%	
62) 4-Bromofluorobenzene	10.29	95	265359	53.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.66%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	131407	47.752	ug/l	100
3) Chloromethane	1.32	50	156865	52.767	ug/l	98
4) Vinyl Chloride	1.40	62	161060	46.968	ug/l	99
5) Bromomethane	1.61	94	96322	55.842	ug/l	99
6) Chloroethane	1.69	64	104319	52.387	ug/l	97
7) Trichlorofluoromethane	1.87	101	235536	51.226	ug/l	99
8) Diethyl Ether	2.09	74	100953	49.915	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.27	101	156331	51.334	ug/l	100
10) Methyl Iodide	2.40	142	128556	46.437	ug/l	99
11) Tert butyl alcohol	2.81	59	213438	253.769	ug/l	99
12) 1,1-Dichloroethene	2.27	96	140598	49.112	ug/l	98
13) Acrolein	2.18	56	106713	150.957	ug/l	99
14) Allyl chloride	2.58	41	234036	42.761	ug/l	91
15) Acrylonitrile	2.92	53	543623	259.552	ug/l	98
16) Acetone	2.31	43	511001	248.032	ug/l	99
17) Carbon Disulfide	2.46	76	276109	42.913	ug/l	100
18) Methyl Acetate	2.60	43	245033	48.879	ug/l	98
19) Methyl tert-butyl Ether	2.98	73	561265	53.788	ug/l	100
20) Methylene Chloride	2.69	84	183702	54.474	ug/l	99
21) trans-1,2-Dichloroethene	2.96	96	150261	49.808	ug/l	97
22) Diisopropyl ether	3.55	45	578512	54.201	ug/l	98
23) Vinyl Acetate	3.50	43	2336080	268.696	ug/l	99
24) 1,1-Dichloroethane	3.42	63	325217	51.022	ug/l	99
25) 2-Butanone	4.24	43	722718	262.795	ug/l	99
26) 2,2-Dichloropropane	4.20	77	269737	52.616	ug/l	99
27) cis-1,2-Dichloroethene	4.20	96	193283	52.752	ug/l	97
28) Bromochloromethane	4.52	49	160402	54.711	ug/l	99
29) Tetrahydrofuran	4.61	42	428659	256.150	ug/l	99
30) Chloroform	4.65	83	330607	51.027	ug/l	98
31) Cyclohexane	4.97	56	219834	47.143	ug/l	100
32) 1,1,1-Trichloroethane	4.89	97	270185	52.158	ug/l	100
36) 1,1-Dichloropropene	5.11	75	208978	52.762	ug/l	99
37) Ethyl Acetate	4.35	43	249438	53.265	ug/l	99
38) Carbon Tetrachloride	5.11	117	231283	54.689	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.39	83	218379	51.576	ug/l	99
40) Benzene	5.37	78	690111	53.997	ug/l	99
41) Methacrylonitrile	4.51	41	140824	56.455	ug/l	99
42) 1,2-Dichloroethane	5.38	62	241049	54.323	ug/l	99
43) Isopropyl Acetate	5.52	43	395649	54.159	ug/l	100
44) Trichloroethene	6.16	130	186849	52.833	ug/l	98
45) 1,2-Dichloropropane	6.41	63	206076	55.155	ug/l	98
46) Dibromomethane	6.54	93	127392	54.319	ug/l	99
47) Bromodichloromethane	6.73	83	266732	55.252	ug/l	99
48) Methyl methacrylate	6.60	41	187009	53.897	ug/l	100
49) 1,4-Dioxane	6.59	88	84099	1109.975	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	1361928	269.329	ug/l	99
52) Toluene	7.61	92	439524	54.822	ug/l	97
53) t-1,3-Dichloropropene	7.86	75	275607	55.073	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	312941	56.977	ug/l	99
55) 1,1,2-Trichloroethane	8.05	97	205942	56.571	ug/l	98
56) Ethyl methacrylate	8.00	69	280460	50.664	ug/l	100
57) 1,3-Dichloropropane	8.22	76	326607	55.096	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	421307	226.803	ug/l	100
59) 2-Hexanone	8.34	43	1033256	273.518	ug/l	100
60) Dibromochloromethane	8.45	129	223547	57.250	ug/l	98
61) 1,2-Dibromoethane	8.57	107	196101	55.036	ug/l	98
64) Tetrachloroethene	8.21	164	171960	53.971	ug/l	98
65) Chlorobenzene	9.10	112	508266	54.550	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.19	131	197730	55.607	ug/l	100
67) Ethyl Benzene	9.23	91	852763	55.975	ug/l	98
68) m/p-Xylenes	9.35	106	672925	117.301	ug/l	100
69) o-Xylene	9.76	106	321310	57.271	ug/l	99
70) Styrene	9.77	104	589415	59.922	ug/l	100
71) Bromoform	9.94	173	172666	56.029	ug/l #	100
73) Isopropylbenzene	10.14	105	902566	55.584	ug/l	100
74) N-amyl acetate	9.99	43	352347	53.907	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.43	83	341474	51.954	ug/l	100
76) 1,2,3-Trichloropropane	10.47	75	363260	66.697	ug/l	84
77) Bromobenzene	10.43	156	245143	53.993	ug/l	99
78) n-propylbenzene	10.57	91	1056863	56.357	ug/l	99
79) 2-Chlorotoluene	10.64	91	633892	55.399	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	792528	58.359	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.47	75	363260	224.297	ug/l #	100
82) 4-Chlorotoluene	10.75	91	738844	56.110	ug/l	100
83) tert-Butylbenzene	11.08	119	762552	56.130	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	792876	58.001	ug/l	100
85) sec-Butylbenzene	11.30	105	919730	57.345	ug/l	100
86) p-Isopropyltoluene	11.45	119	857268	57.910	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	446507	53.893	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	453149	52.439	ug/l	99
89) n-Butylbenzene	11.87	91	746592	58.035	ug/l	100
90) Hexachloroethane	12.12	117	129707	54.766	ug/l	98
91) 1,2-Dichlorobenzene	11.86	146	436376	53.593	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.64	75	65068	53.874	ug/l	98

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

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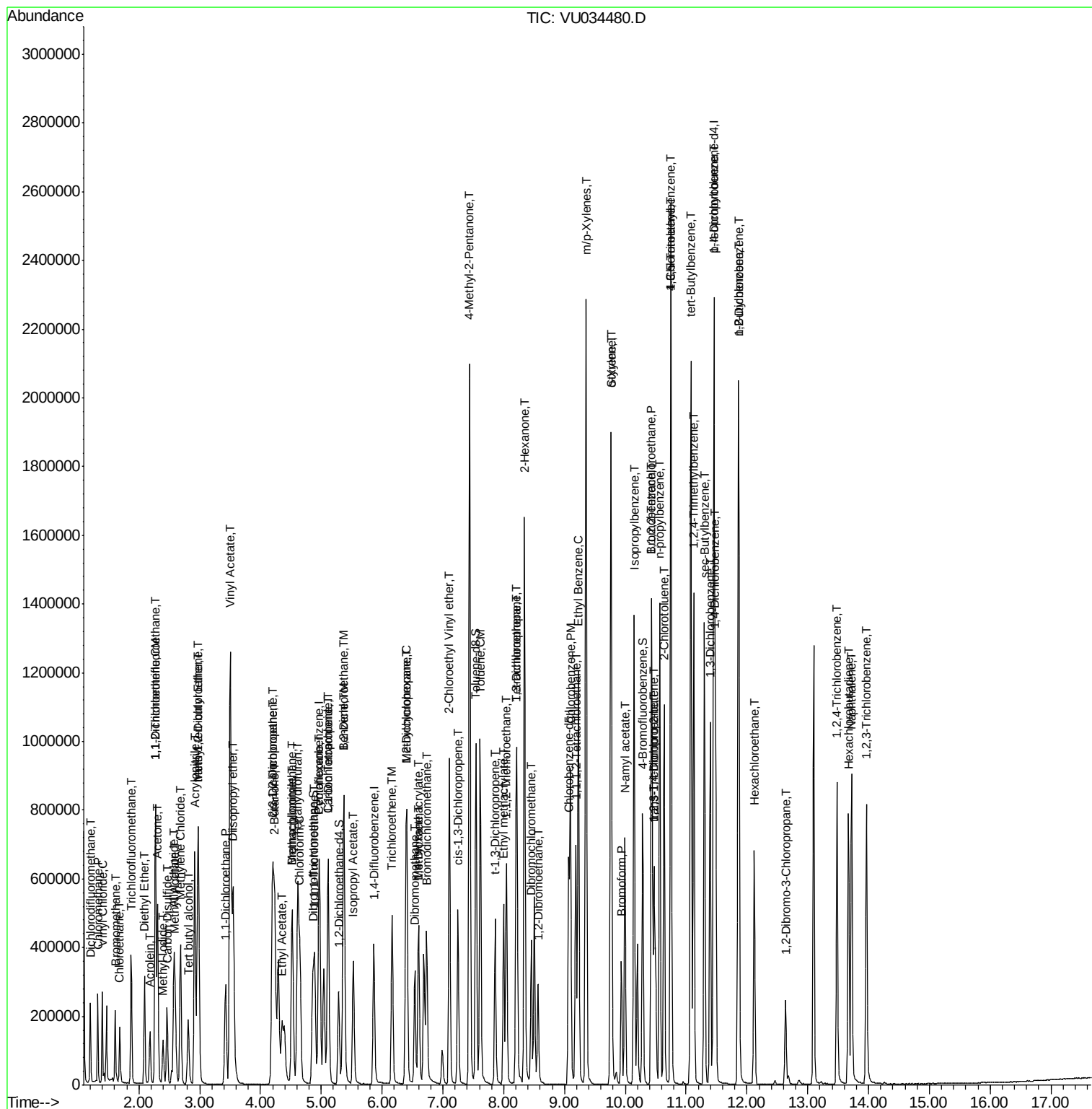
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	292563	49.574	ug/l	100
94) Hexachlorobutadiene	13.67	225	162204	56.950	ug/l	99
95) Naphthalene	13.72	128	760635	46.078	ug/l	99
96) 1,2,3-Trichlorobenzene	13.96	180	291645	51.072	ug/l	99

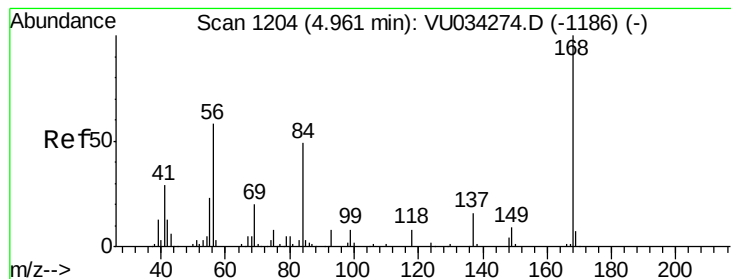
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU034480.D

Acq: 11 Sep 2019 17:09

Instrument :

MSVOA_U

ClientSampleId :

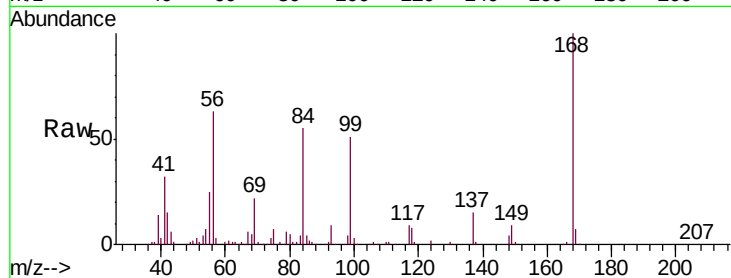
VSTDCCC050

Tgt Ion: 168 Resp: 263124

Ion Ratio Lower Upper

168 100

99 49.8 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

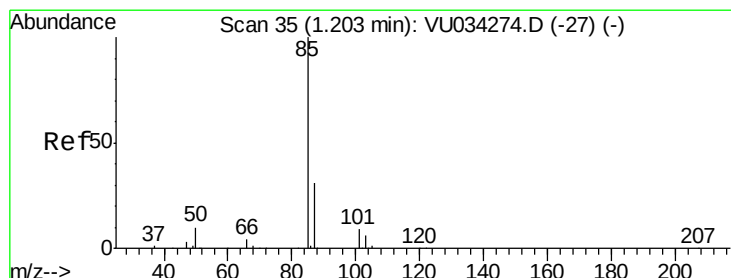
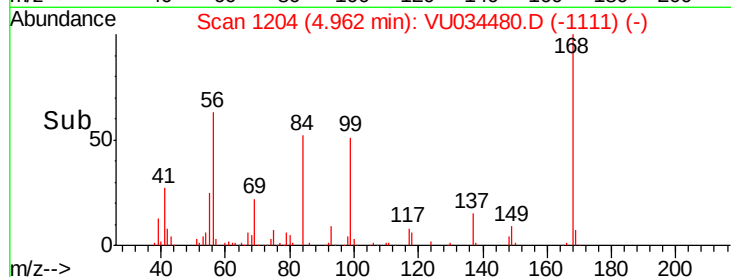
100000

50000

0

4.85 4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 47.752 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034480.D

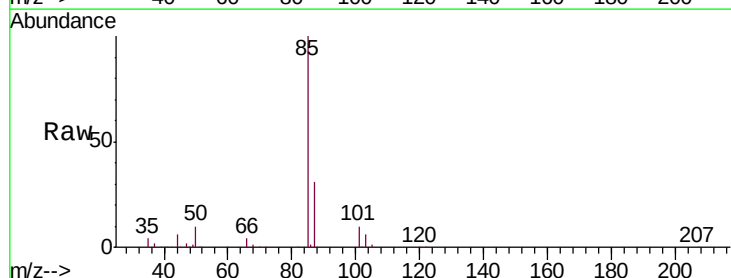
Acq: 11 Sep 2019 17:09

Tgt Ion: 85 Resp: 131407

Ion Ratio Lower Upper

85 100

87 31.3 15.7 47.0



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

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

1.20

150000

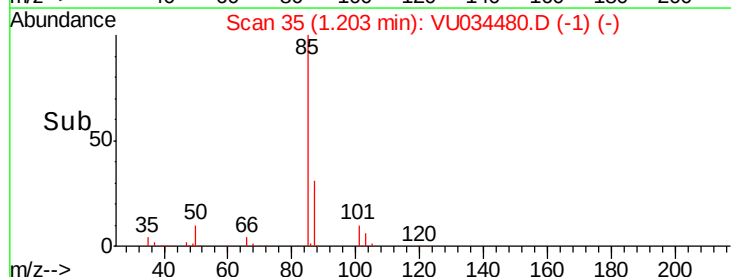
100000

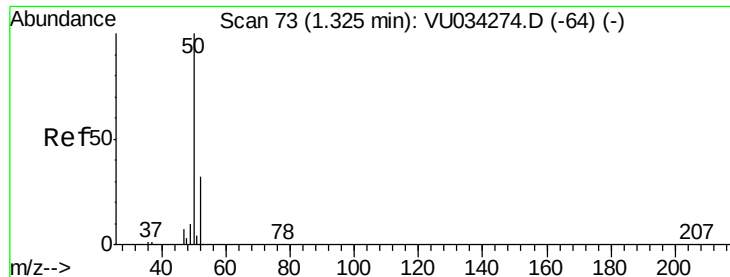
50000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 52.767 ug/l

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU034480.D

Acq: 11 Sep 2019 17:09

Instrument :

MSVOA_U

ClientSampleId :

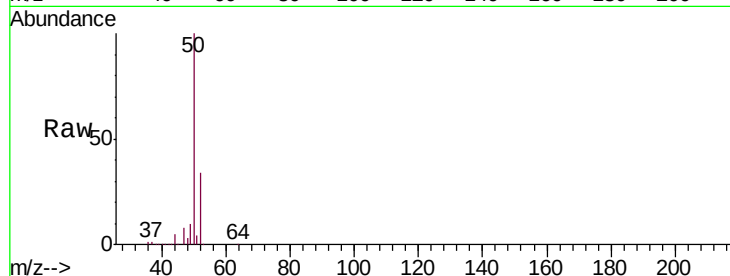
VSTDCCC050

Tgt Ion: 50 Resp: 156865

Ion Ratio Lower Upper

50 100

52 33.6 25.8 38.6



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

Ion 51.90 (51.60 to 52.60): VU034480.D (-1) (-)

1.32

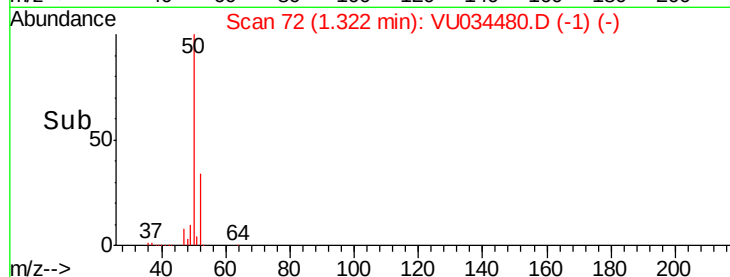
150000

100000

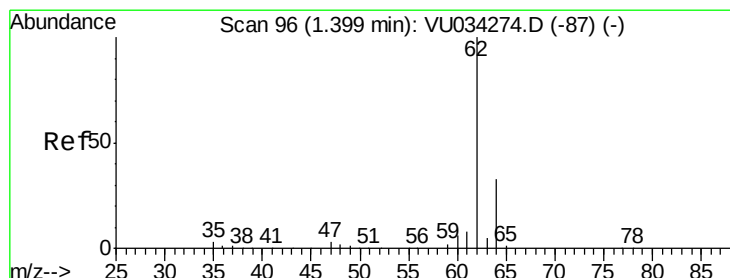
50000

0

Time-->



Time-->



#4

Vinyl Chloride

Concen: 46.968 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034480.D

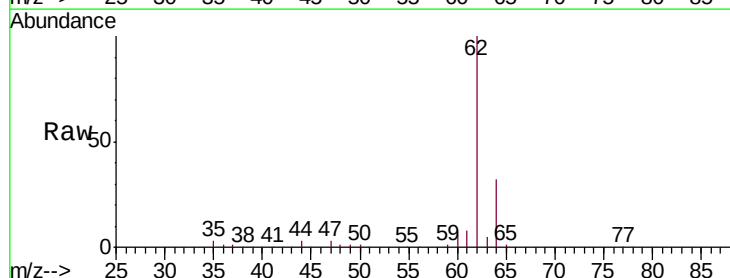
Acq: 11 Sep 2019 17:09

Tgt Ion: 62 Resp: 161060

Ion Ratio Lower Upper

62 100

64 32.2 26.2 39.4



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

Ion 63.90 (63.60 to 64.60): VU034480.D (-3) (-)

1.40

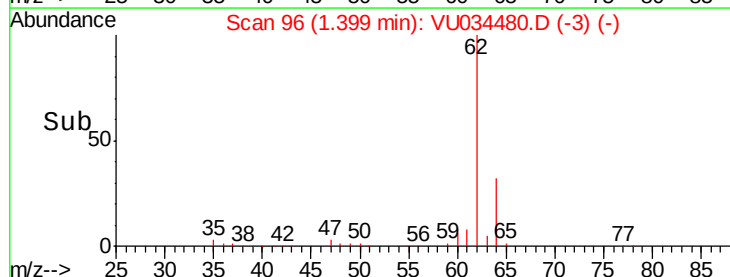
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100000

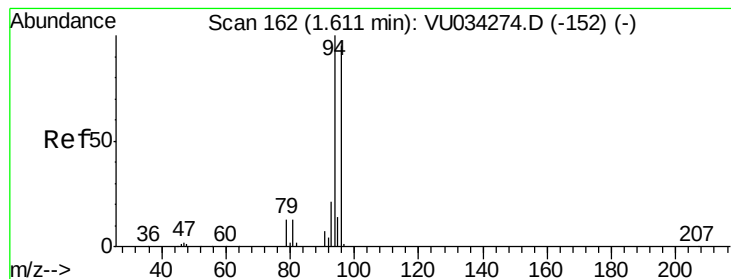
50000

0

Time-->



Time-->



#5

Bromomethane

Concen: 55.842 ug/l

RT: 1.61 min Scan# 162

Delta R.T. 0.00 min

Lab File: VU034480.D

Acq: 11 Sep 2019 17:09

Instrument :

MSVOA_U

ClientSampleId :

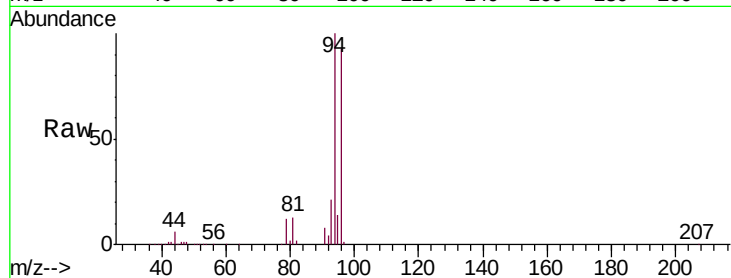
VSTDCCC050

Tgt Ion: 94 Resp: 96322

Ion Ratio Lower Upper

94 100

96 93.3 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VU034480.D (-152) (-)

Ion 95.90 (95.60 to 96.60): VU034480.D (-152) (-)

1.61

80000

60000

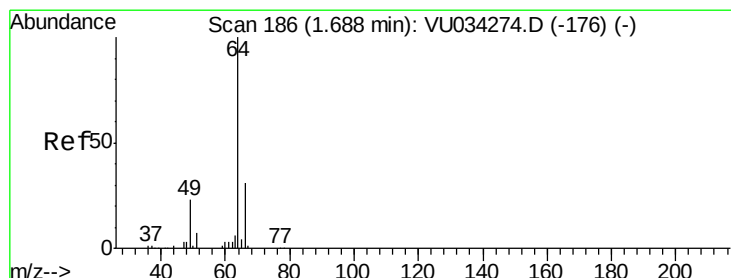
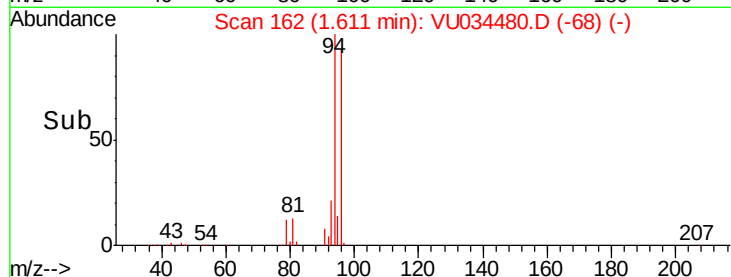
40000

20000

0

Time-->

1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 52.387 ug/l

RT: 1.69 min Scan# 185

Delta R.T. -0.00 min

Lab File: VU034480.D

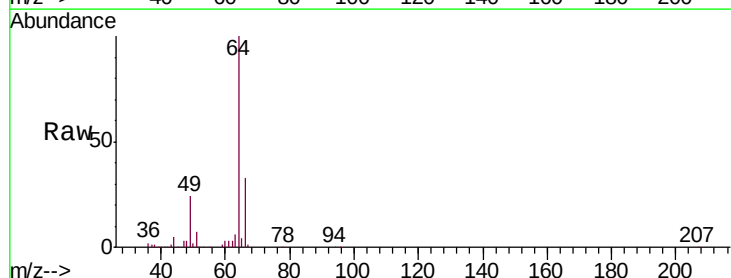
Acq: 11 Sep 2019 17:09

Tgt Ion: 64 Resp: 104319

Ion Ratio Lower Upper

64 100

66 33.1 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU034480.D (-176) (-)

Ion 65.90 (65.60 to 66.60): VU034480.D (-176) (-)

1.69

80000

60000

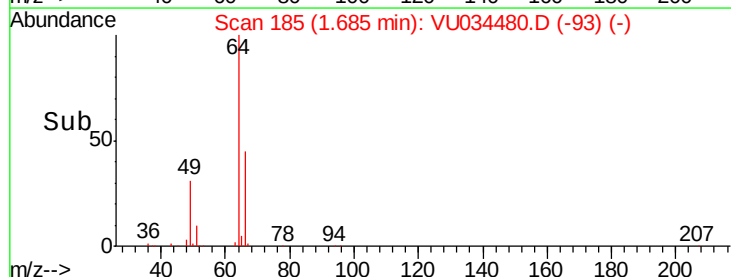
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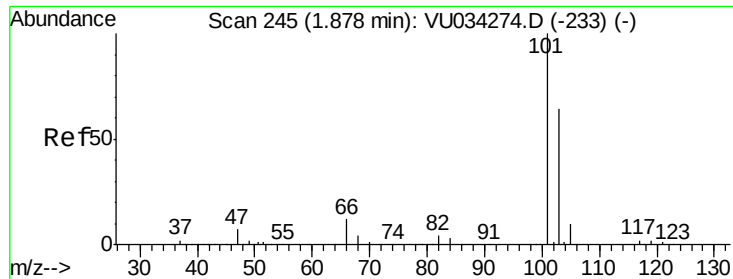
20000

0

Time-->

1.65 1.70 1.75





#7

Trichlorofluoromethane

Concen: 51.226 ug/l

RT: 1.87 min Scan# 244

Delta R.T. -0.00 min

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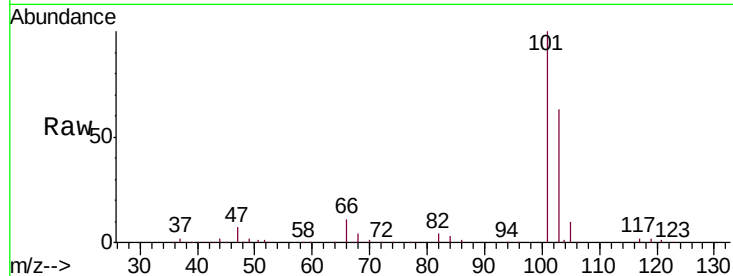
VSTDCCC050

Tgt Ion:101 Resp: 235536

Ion Ratio Lower Upper

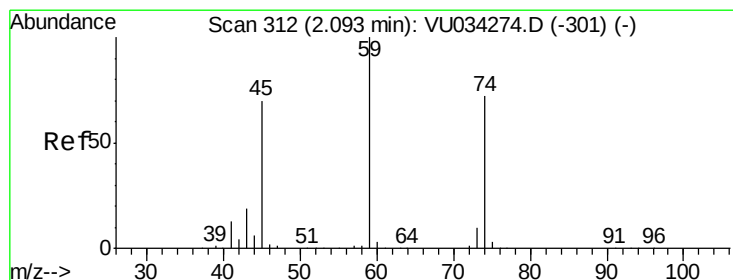
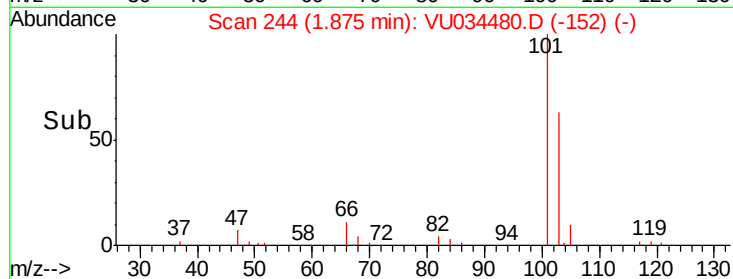
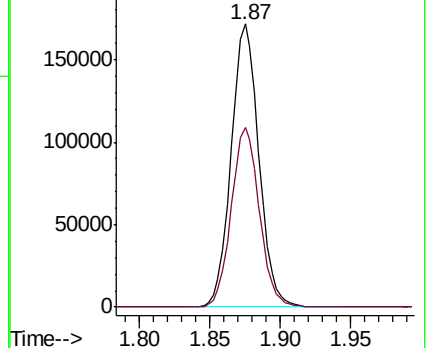
101 100

103 63.4 51.0 76.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 49.915 ug/l

RT: 2.09 min Scan# 312

Delta R.T. 0.00 min

Lab File: VU034480.D

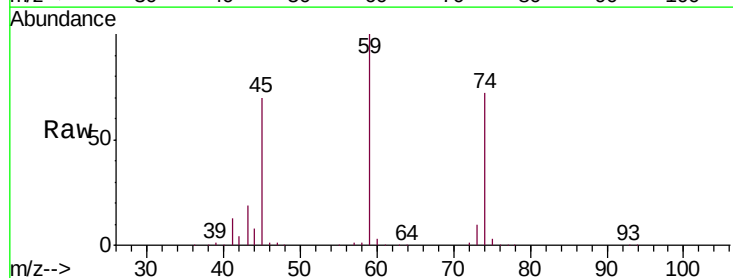
Acq: 11 Sep 2019 17:09

Tgt Ion: 74 Resp: 100953

Ion Ratio Lower Upper

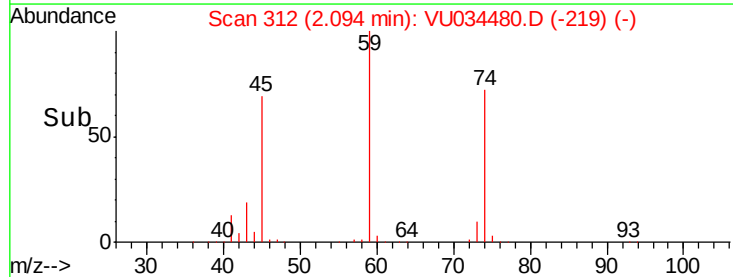
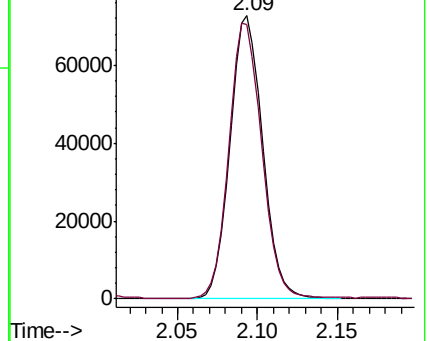
74 100

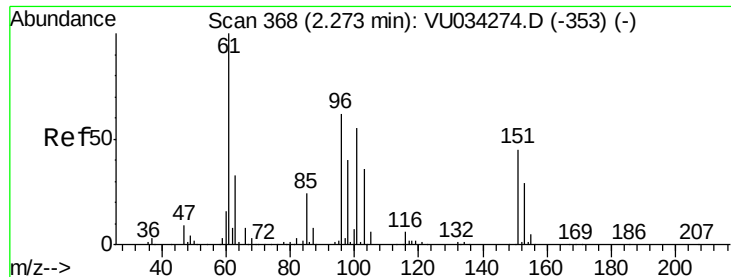
45 97.7 48.2 144.6



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.334 ug/l

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

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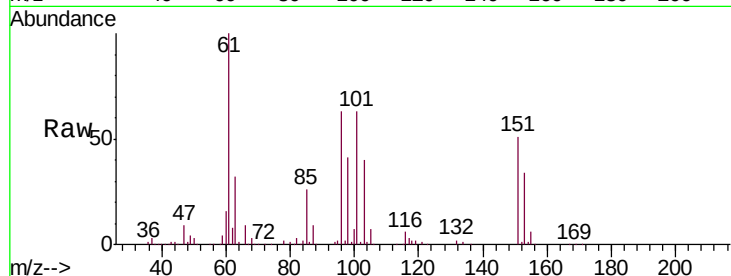
Tgt Ion:101 Resp: 156331

Ion Ratio Lower Upper

101 100

85 42.6 34.4 51.6

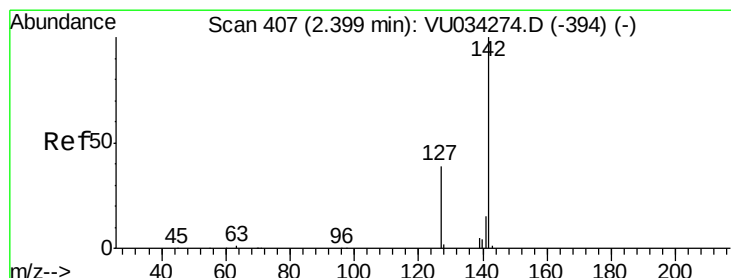
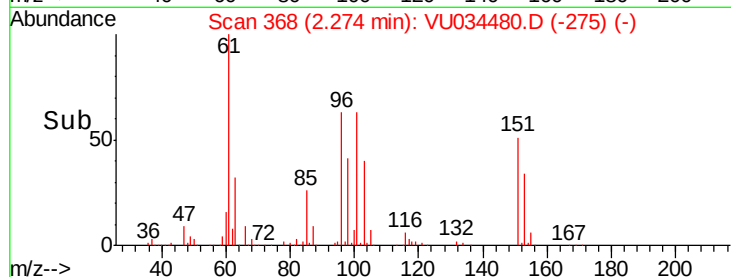
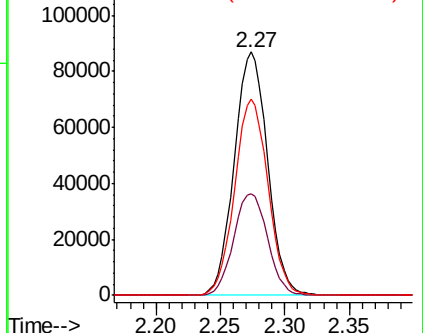
151 80.7 64.4 96.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.437 ug/l

RT: 2.40 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU034480.D

Acq: 11 Sep 2019 17:09

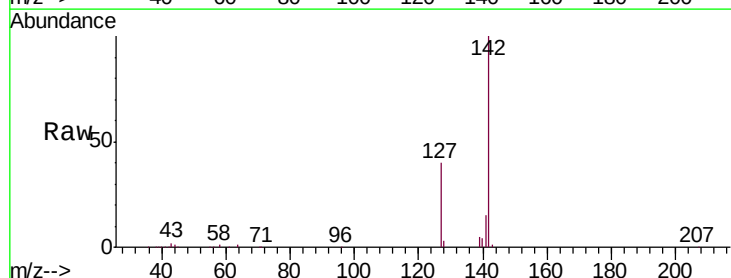
Tgt Ion:142 Resp: 128556

Ion Ratio Lower Upper

142 100

127 40.7 32.1 48.1

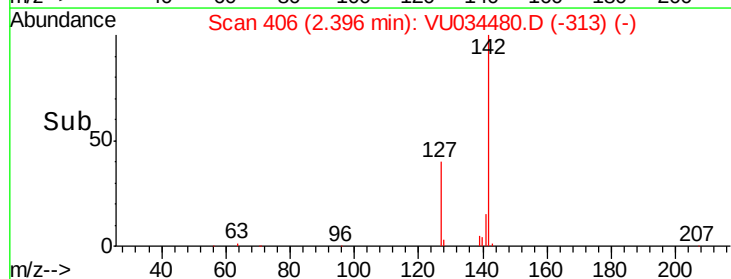
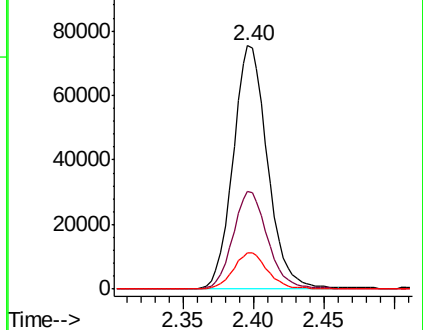
141 14.9 11.5 17.3

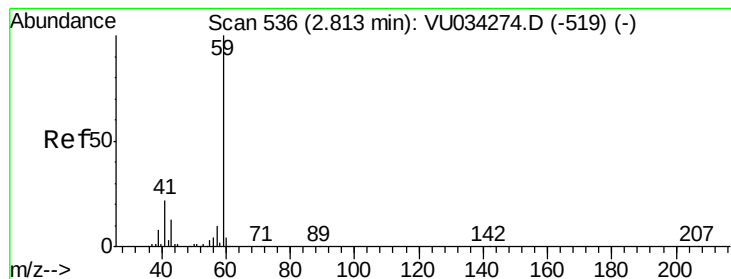


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 253.769 ug/l

RT: 2.81 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU034480.D

Acq: 11 Sep 2019 17:09

Instrument :

MSVOA_U

ClientSampled :

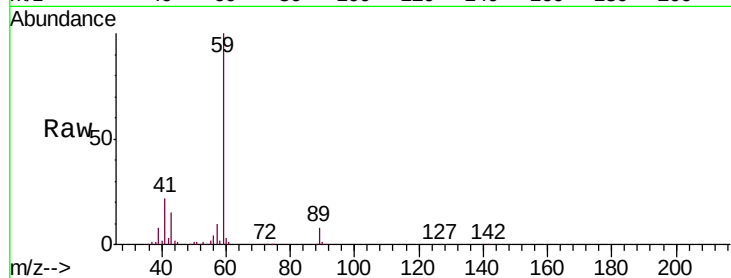
VSTDCCC050

Tgt Ion: 59 Resp: 213438

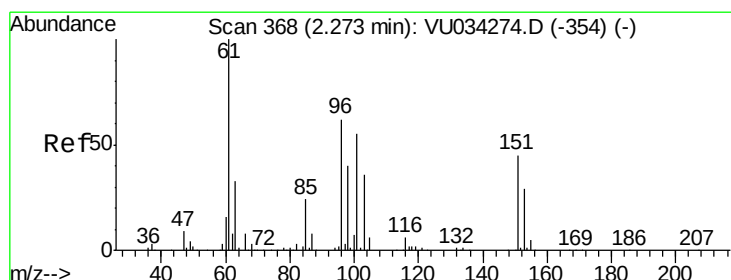
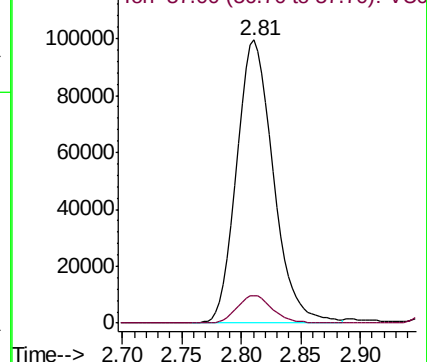
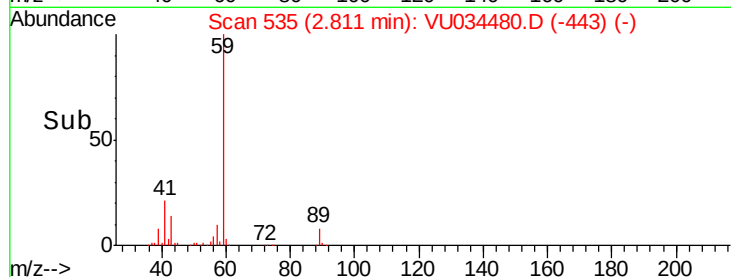
Ion Ratio Lower Upper

59 100

57 9.5 7.9 11.9



Abundance Ion 59.00 (58.70 to 59.70): VU034480.D (-443) (-)



#12

1,1-Dichloroethene

Concen: 49.112 ug/l

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU034480.D

Acq: 11 Sep 2019 17:09

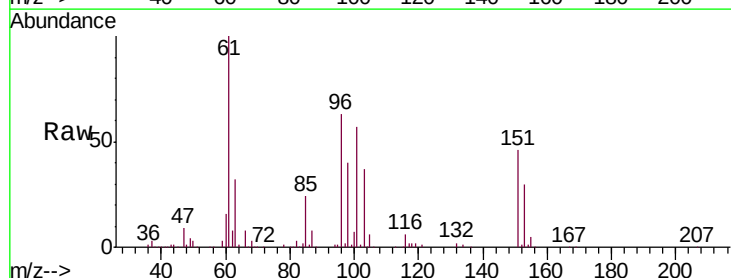
Tgt Ion: 96 Resp: 140598

Ion Ratio Lower Upper

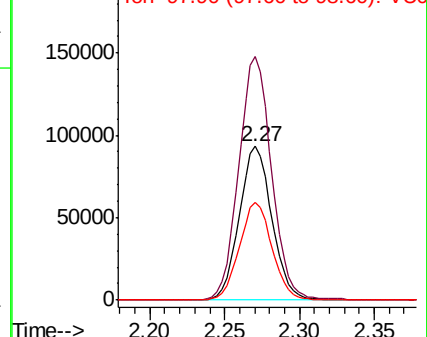
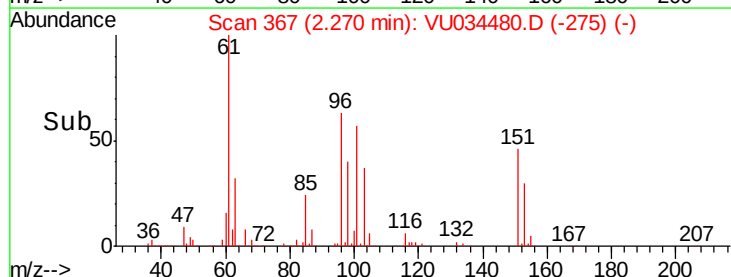
96 100

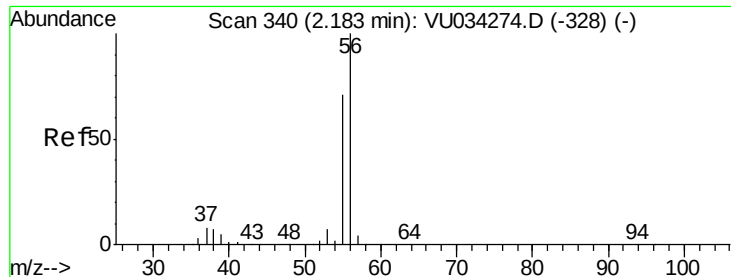
61 158.9 130.0 195.0

98 64.0 52.2 78.4



Abundance Ion 95.90 (95.60 to 96.60): VU034480.D (-275) (-)





#13

Acrolein

Concen: 150.957 ug/l

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VU034480.D

Acq: 11 Sep 2019 17:09

Instrument :

MSVOA_U

ClientSampleId :

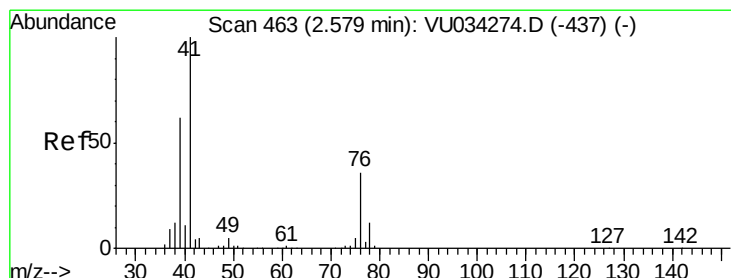
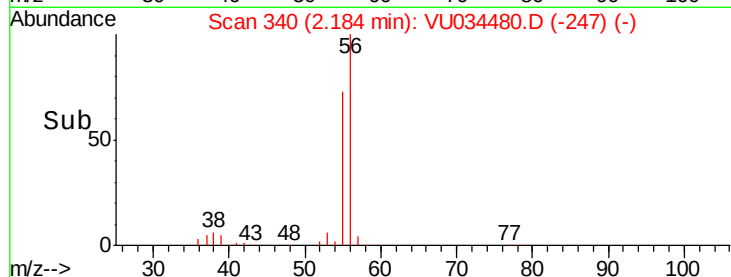
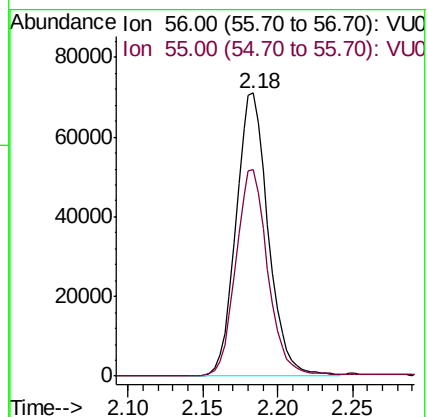
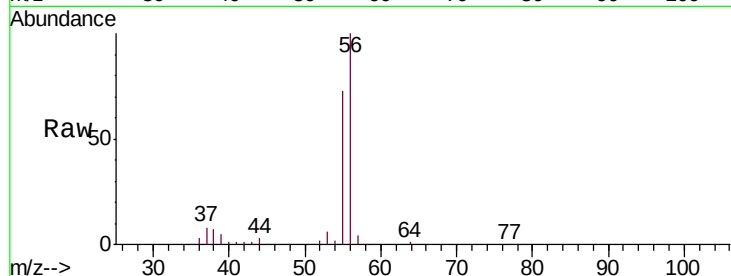
VSTDCCC050

Tgt Ion: 56 Resp: 106713

Ion Ratio Lower Upper

56 100

55 72.8 57.4 86.2



#14

Allyl chloride

Concen: 42.761 ug/l

RT: 2.58 min Scan# 462

Delta R.T. -0.00 min

Lab File: VU034480.D

Acq: 11 Sep 2019 17:09

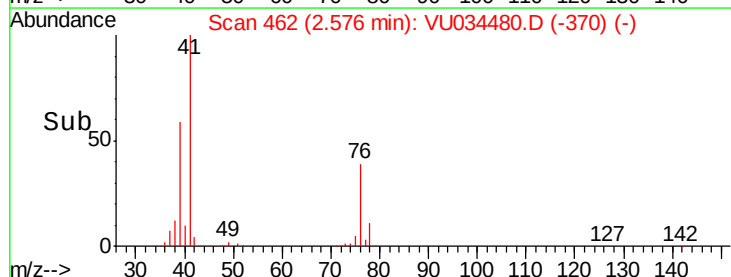
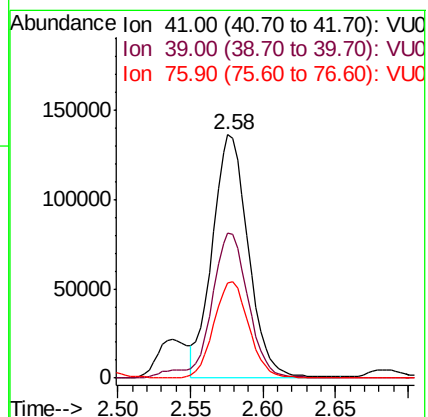
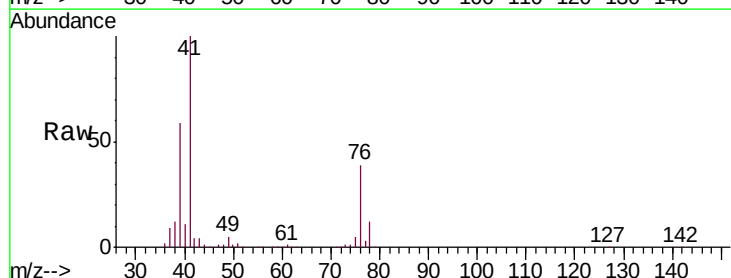
Tgt Ion: 41 Resp: 234036

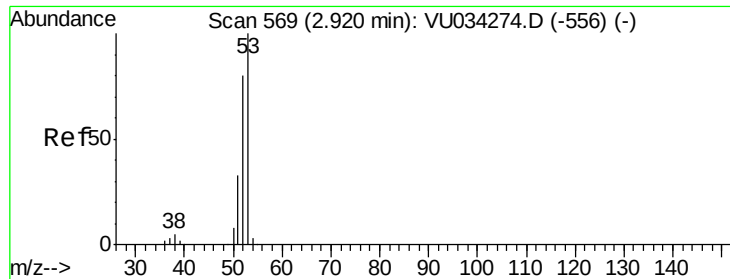
Ion Ratio Lower Upper

41 100

39 61.5 43.5 65.3

76 38.2 27.0 40.6





#15

Acrylonitrile

Concen: 259.552 ug/l

RT: 2.92 min Scan# 568

Delta R.T. -0.00 min

Lab File: VU034480.D

Acq: 11 Sep 2019 17:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

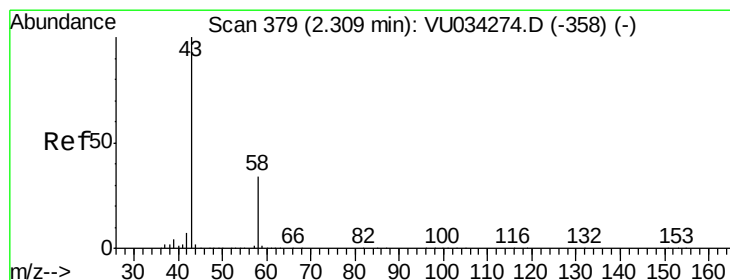
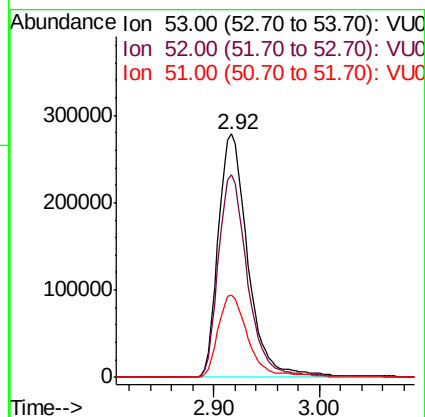
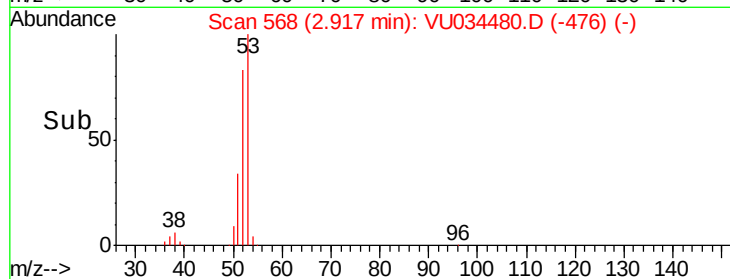
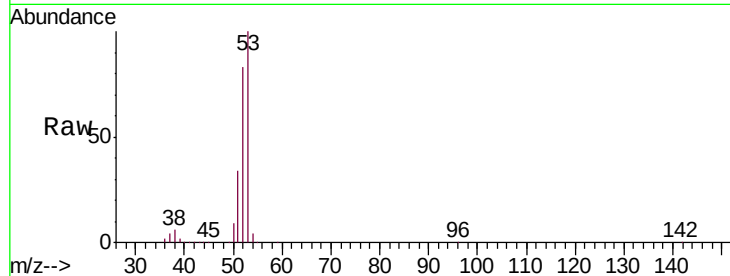
Tgt Ion: 53 Resp: 543623

Ion Ratio Lower Upper

53 100

52 82.4 64.1 96.1

51 34.7 27.4 41.0



#16

Acetone

Concen: 248.032 ug/l

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034480.D

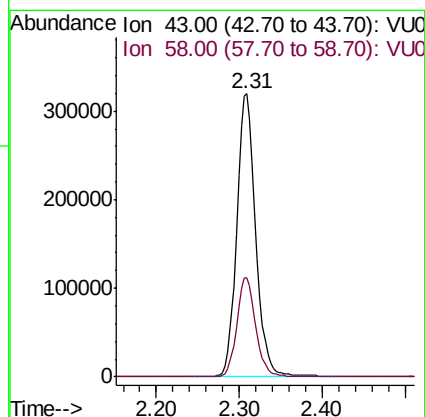
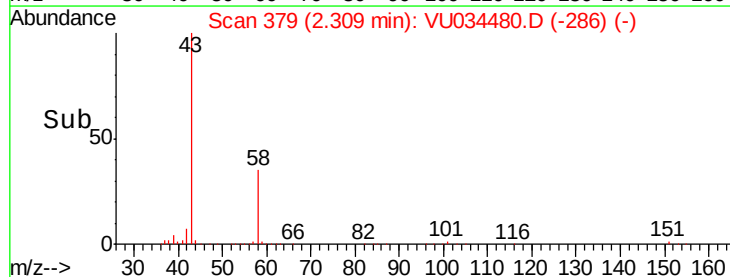
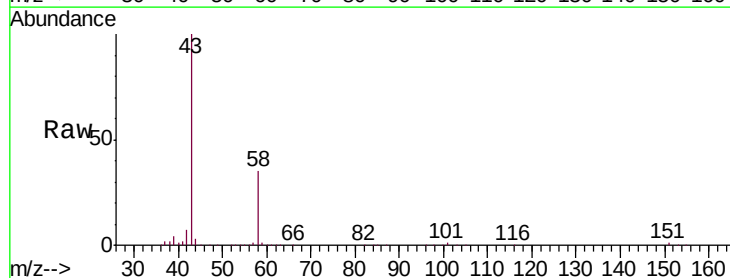
Acq: 11 Sep 2019 17:09

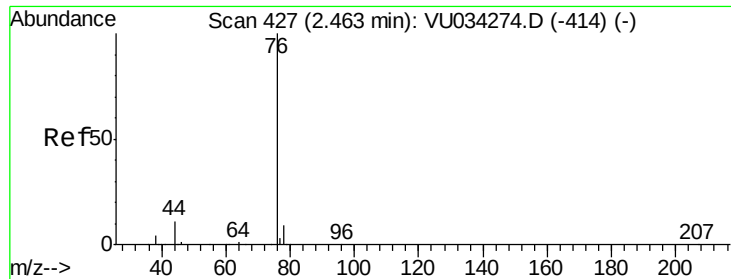
Tgt Ion: 43 Resp: 511001

Ion Ratio Lower Upper

43 100

58 35.1 27.6 41.4

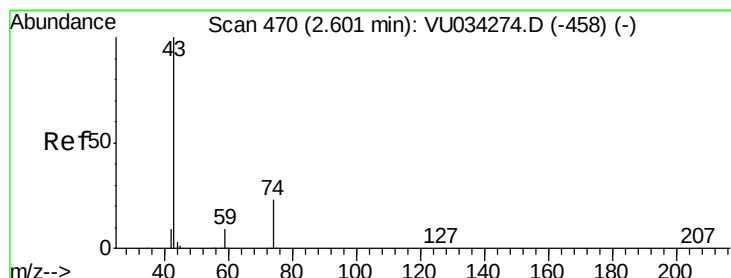
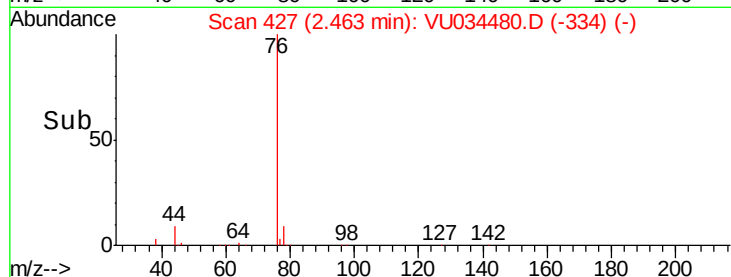
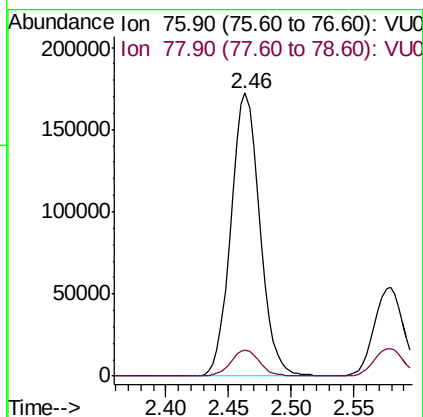
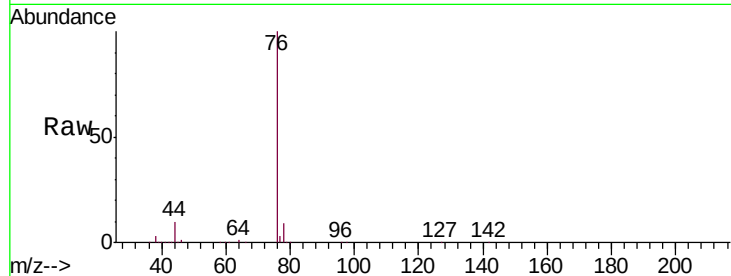




#17
Carbon Disulfide
Concen: 42.913 ug/l
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VU034480.D
Acq: 11 Sep 2019 17:09

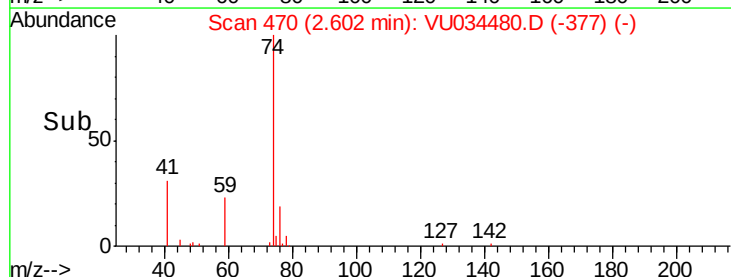
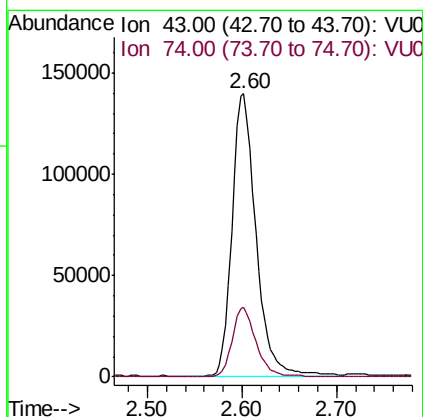
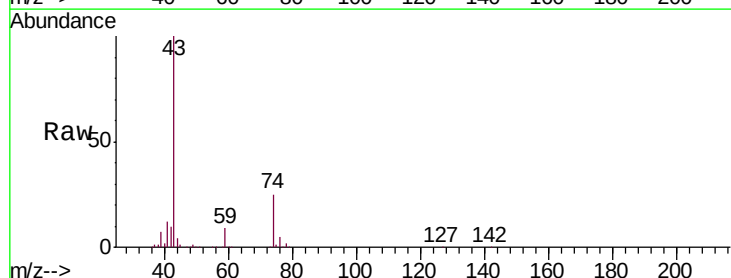
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

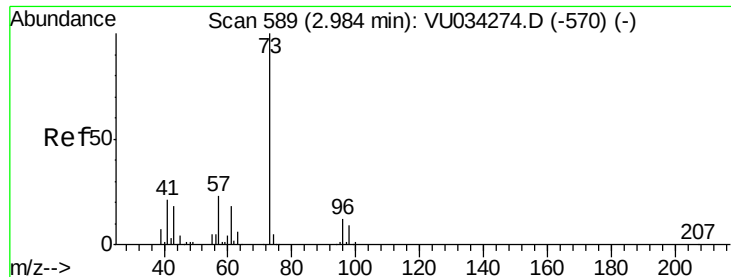
Tgt Ion: 76 Resp: 276109
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8



#18
Methyl Acetate
Concen: 48.879 ug/l
RT: 2.60 min Scan# 470
Delta R.T. 0.00 min
Lab File: VU034480.D
Acq: 11 Sep 2019 17:09

Tgt Ion: 43 Resp: 245033
Ion Ratio Lower Upper
43 100
74 24.7 18.9 28.3

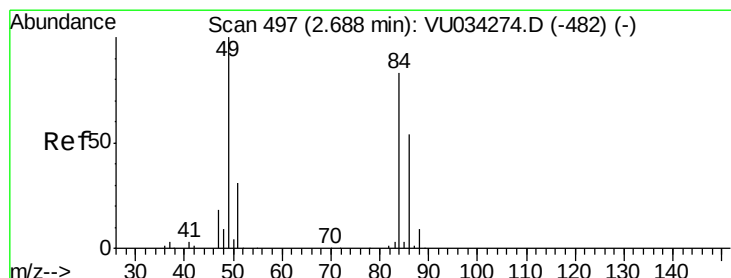
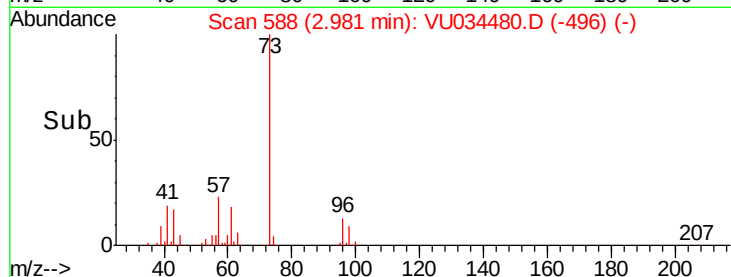
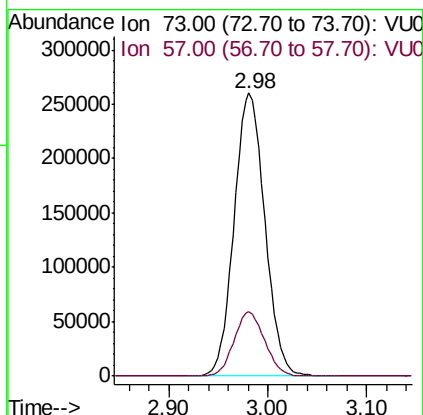
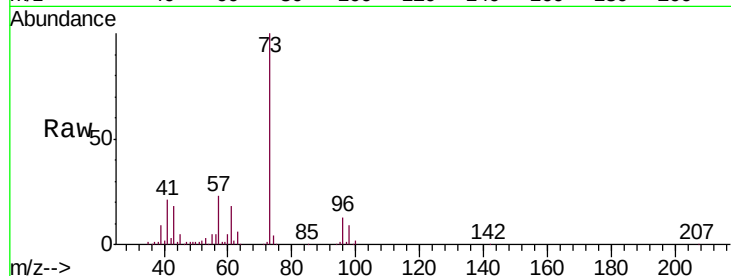




#19
Methyl tert-butyl Ether
Concen: 53.788 ug/l
RT: 2.98 min Scan# 588
Delta R.T. -0.00 min
Lab File: VU034480.D
Acq: 11 Sep 2019 17:09

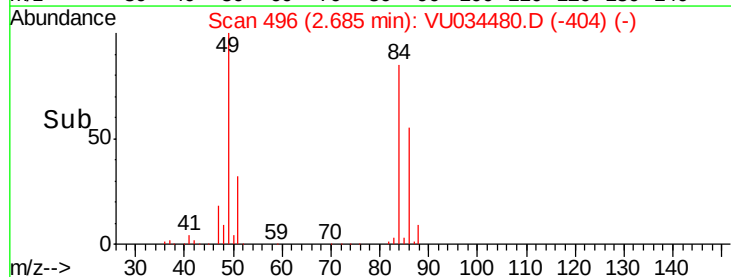
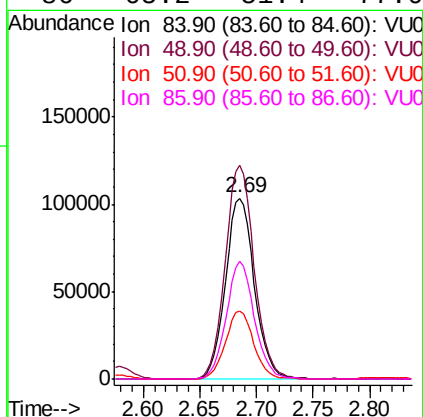
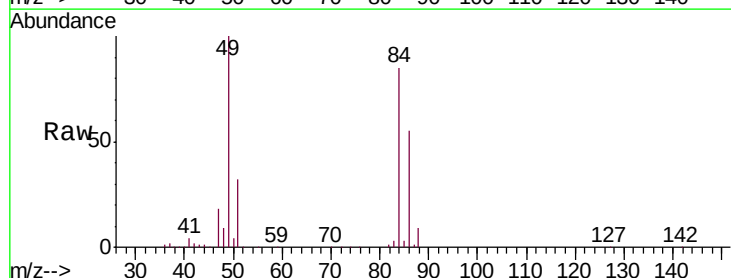
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

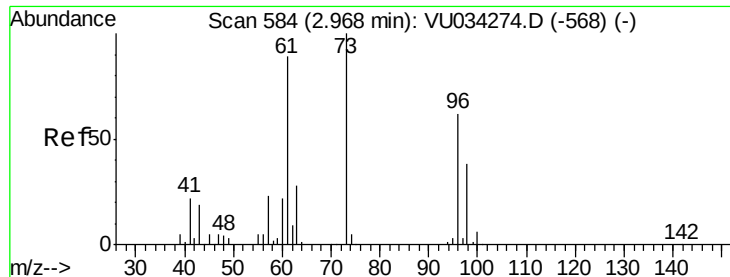
Tgt Ion: 73 Resp: 561265
Ion Ratio Lower Upper
73 100
57 23.0 18.2 27.4



#20
Methylene Chloride
Concen: 54.474 ug/l
RT: 2.69 min Scan# 496
Delta R.T. -0.00 min
Lab File: VU034480.D
Acq: 11 Sep 2019 17:09

Tgt Ion: 84 Resp: 183702
Ion Ratio Lower Upper
84 100
49 117.9 96.0 144.0
51 37.8 30.0 45.0
86 65.2 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 49.808 ug/l

RT: 2.96 min Scan# 583

Delta R.T. -0.00 min

Lab File: VU034480.D

Acq: 11 Sep 2019 17:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

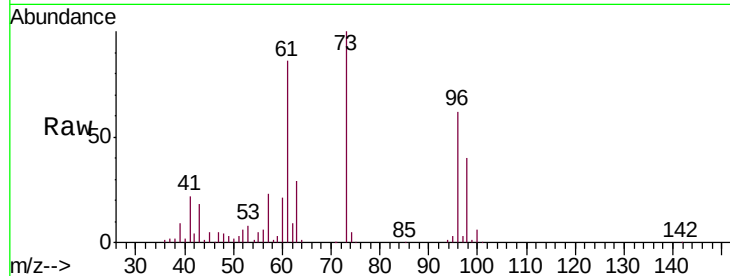
Tgt Ion: 96 Resp: 150261

Ion Ratio Lower Upper

96 100

61 139.2 114.8 172.2

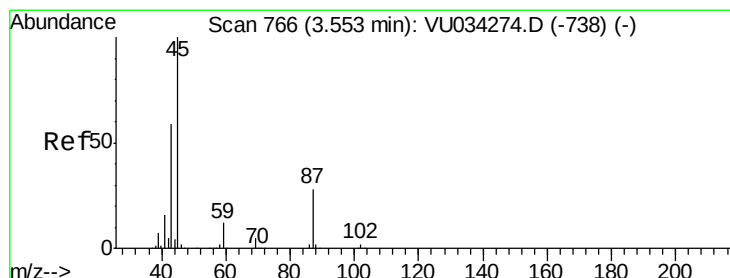
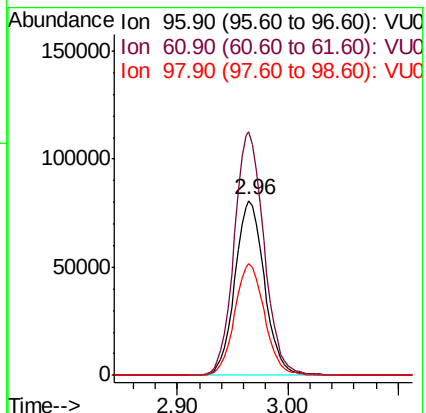
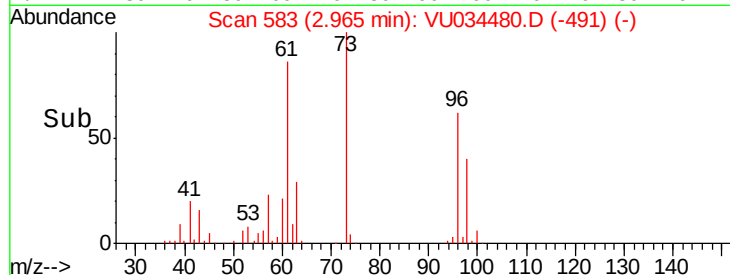
98 64.1 49.8 74.8



Abundance Ion 95.90 (95.60 to 96.60): VU034480.D (-491) (-)

Ion 60.90 (60.60 to 61.60): VU034480.D (-491) (-)

Ion 97.90 (97.60 to 98.60): VU034480.D (-491) (-)



#22

Diisopropyl ether

Concen: 54.201 ug/l

RT: 3.55 min Scan# 765

Delta R.T. -0.00 min

Lab File: VU034480.D

Acq: 11 Sep 2019 17:09

Tgt Ion: 45 Resp: 578512

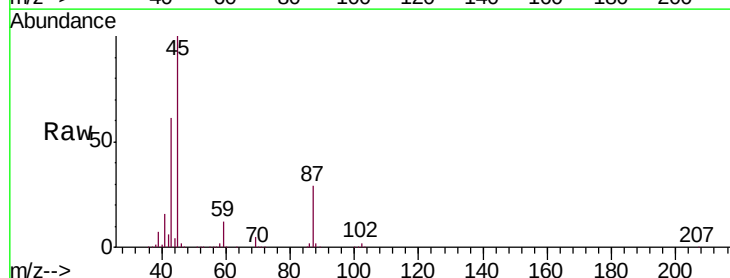
Ion Ratio Lower Upper

45 100

43 60.6 47.5 71.3

87 29.2 22.2 33.4

59 12.1 9.4 14.2

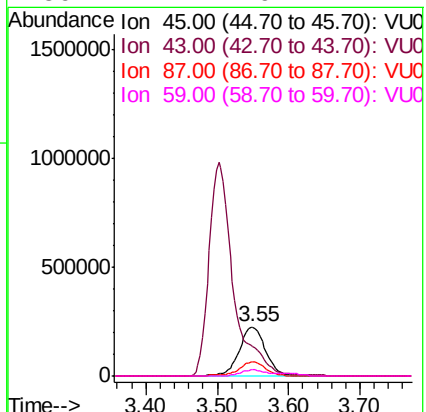
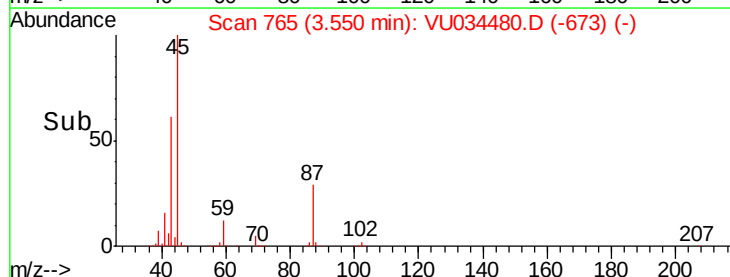


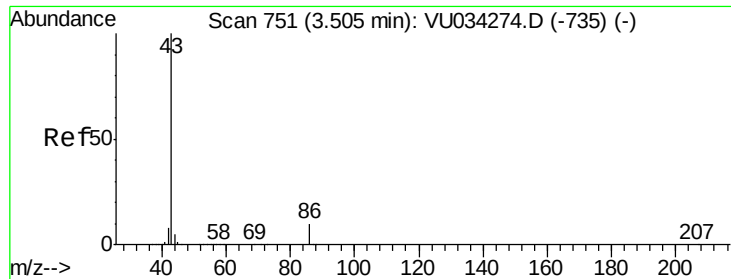
Abundance Ion 45.00 (44.70 to 45.70): VU034480.D (-673) (-)

Ion 43.00 (42.70 to 43.70): VU034480.D (-673) (-)

Ion 87.00 (86.70 to 87.70): VU034480.D (-673) (-)

Ion 59.00 (58.70 to 59.70): VU034480.D (-673) (-)

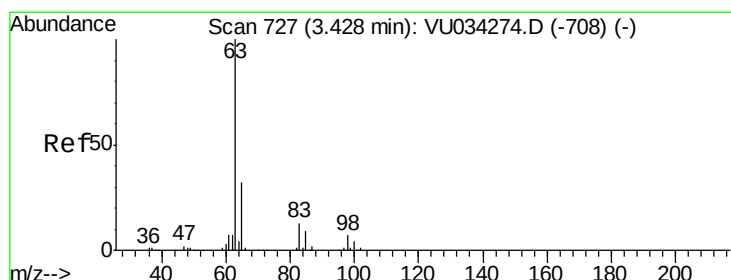
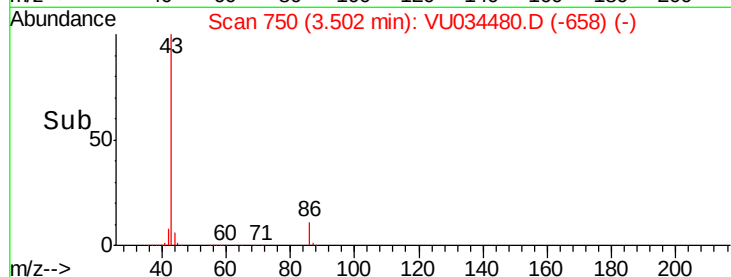
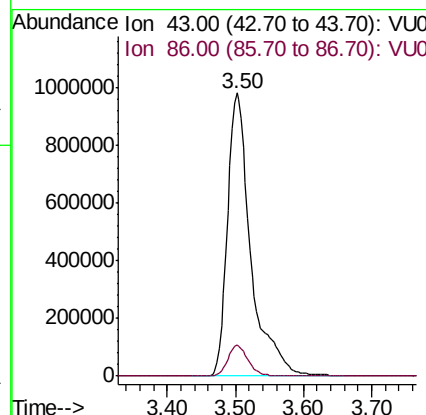
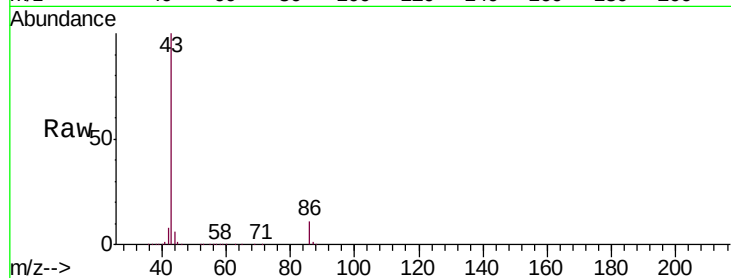




#23
 Vinyl Acetate
 Concen: 268.696 ug/l
 RT: 3.50 min Scan# 750
 Delta R.T. -0.00 min
 Lab File: VU034480.D
 Acq: 11 Sep 2019 17:09

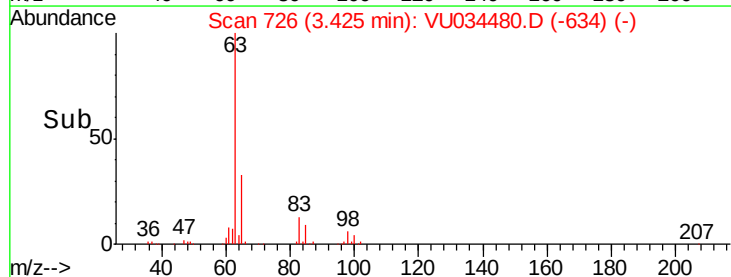
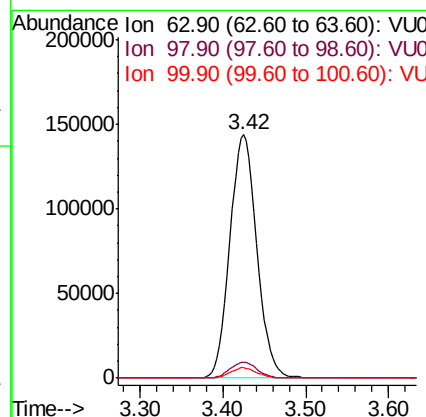
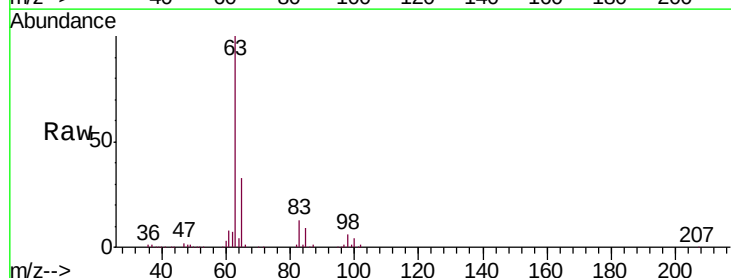
Instrument :
 MSVOA_U
 ClientSampled :
 VSTDCCC050

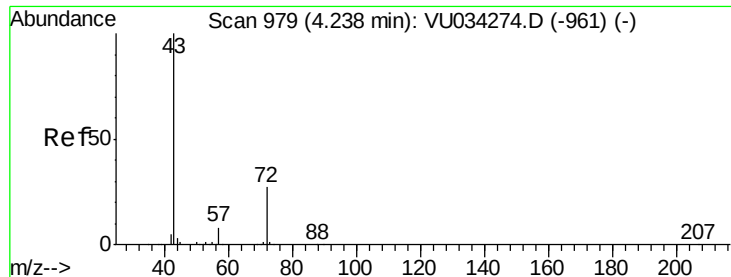
Tgt Ion: 43 Resp: 2336080
 Ion Ratio Lower Upper
 43 100
 86 10.9 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 51.022 ug/l
 RT: 3.42 min Scan# 726
 Delta R.T. -0.00 min
 Lab File: VU034480.D
 Acq: 11 Sep 2019 17:09

Tgt Ion: 63 Resp: 325217
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.5 10.4
 100 4.2 2.1 6.5





#25

2-Butanone

Concen: 262.795 ug/l

RT: 4.24 min Scan# 978

Delta R.T. -0.00 min

Lab File: VU034480.D

Acq: 11 Sep 2019 17:09

Instrument :

MSVOA_U

ClientSampleId :

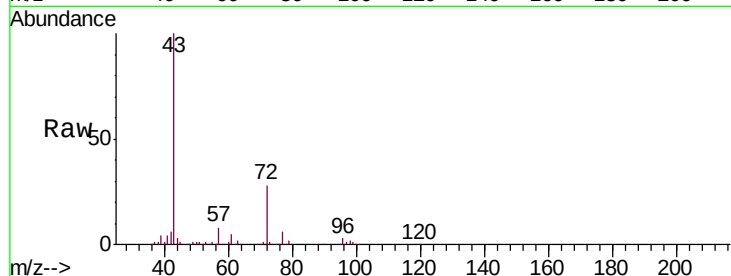
VSTDCCC050

Tgt Ion: 43 Resp: 722718

Ion Ratio Lower Upper

43 100

72 27.5 21.8 32.6



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

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

4.24

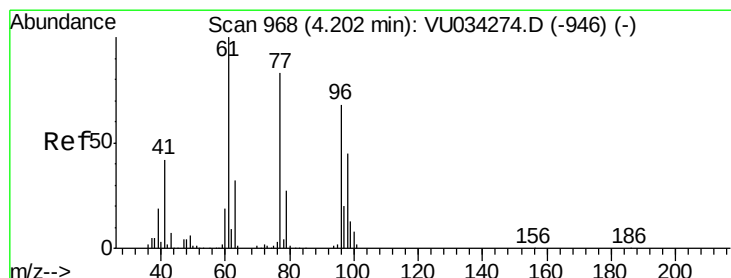
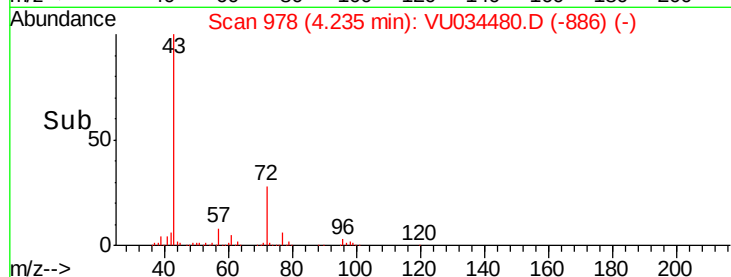
300000

200000

100000

0

Time-->



#26

2,2-Dichloropropane

Concen: 52.616 ug/l

RT: 4.20 min Scan# 967

Delta R.T. -0.00 min

Lab File: VU034480.D

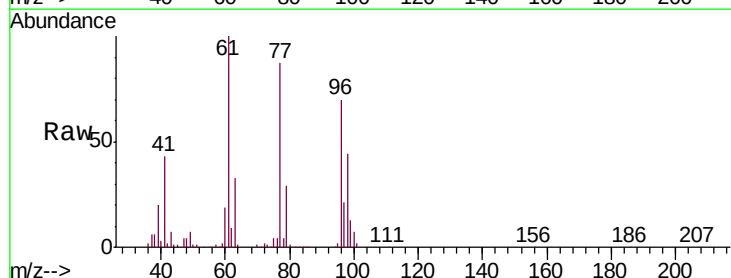
Acq: 11 Sep 2019 17:09

Tgt Ion: 77 Resp: 269737

Ion Ratio Lower Upper

77 100

97 23.8 11.8 35.3



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

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

4.20

100000

80000

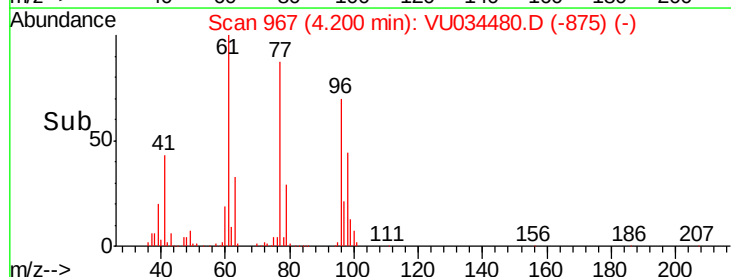
60000

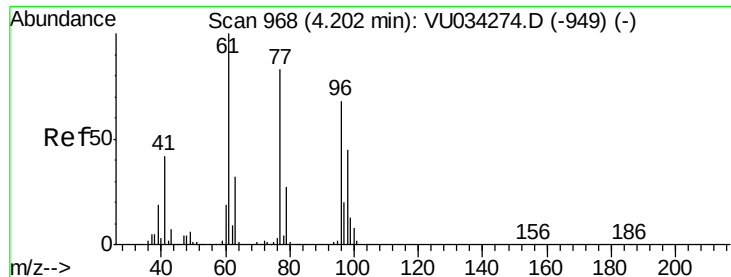
40000

20000

0

Time-->



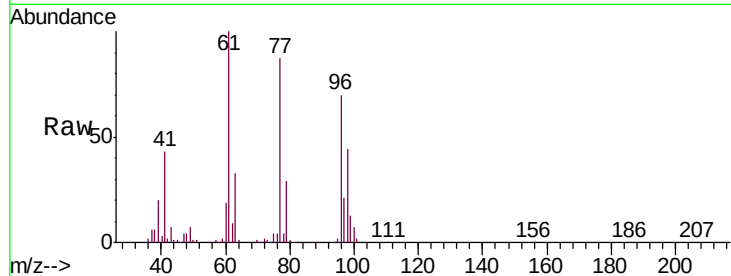


#27

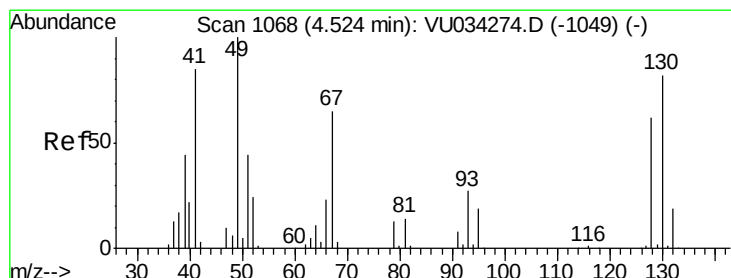
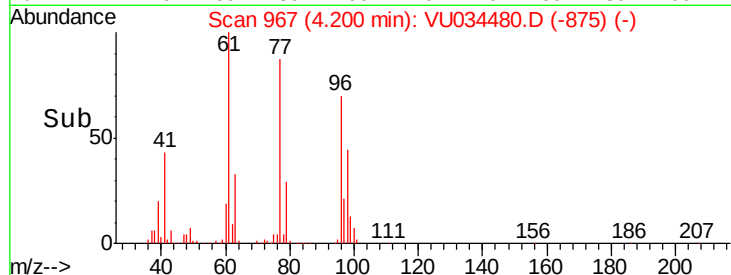
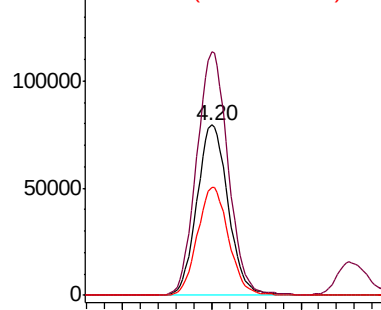
cis-1,2-Dichloroethene
 Concen: 52.752 ug/l
 RT: 4.20 min Scan# 967
 Delta R.T. -0.00 min
 Lab File: VU034480.D
 Acq: 11 Sep 2019 17:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 96 Resp: 193283
 Ion Ratio Lower Upper
 96 100
 61 144.0 0.0 297.4
 98 63.4 0.0 130.0



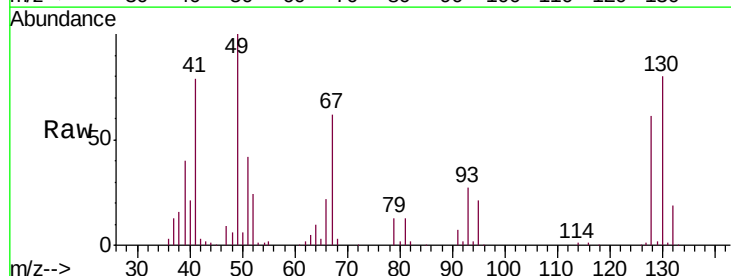
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



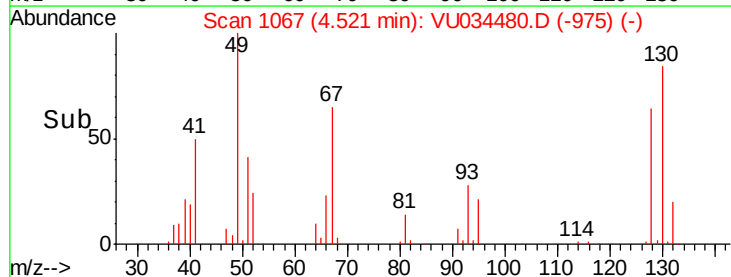
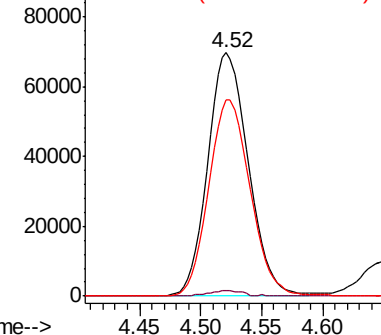
#28

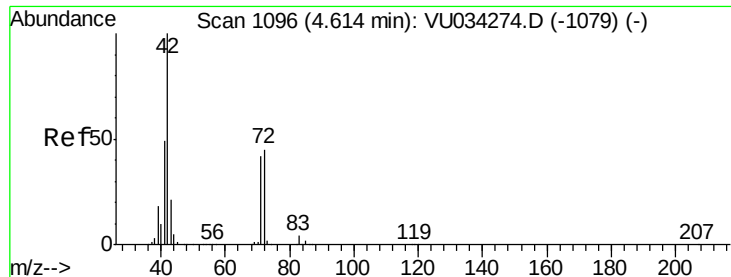
Bromochloromethane
 Concen: 54.711 ug/l
 RT: 4.52 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VU034480.D
 Acq: 11 Sep 2019 17:09

Tgt Ion: 49 Resp: 160402
 Ion Ratio Lower Upper
 49 100
 129 1.8 0.0 3.8
 130 82.6 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: 256.150 ug/l

RT: 4.61 min Scan# 1096

Delta R.T. 0.00 min

Lab File: VU034480.D

Acq: 11 Sep 2019 17:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

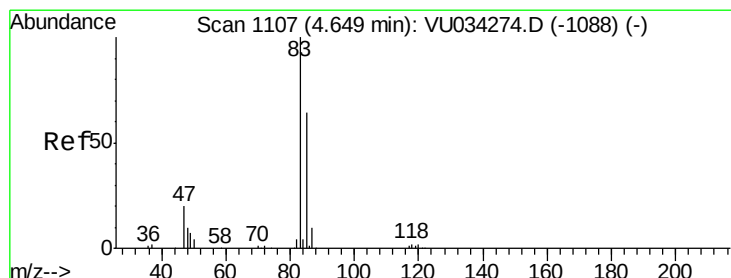
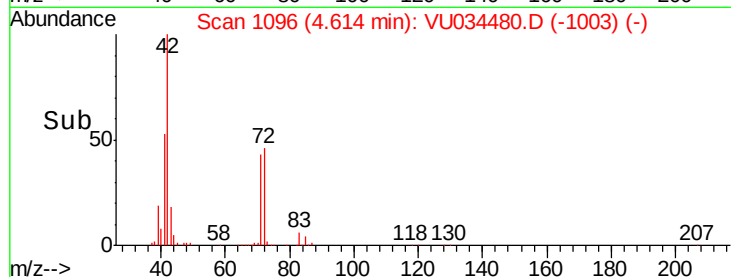
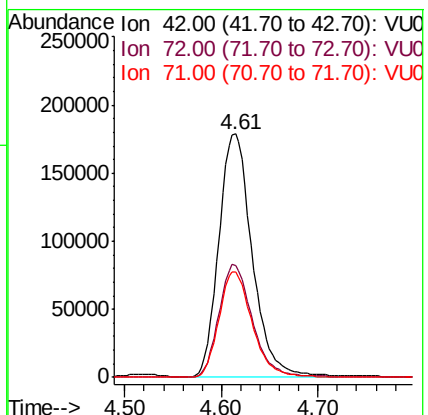
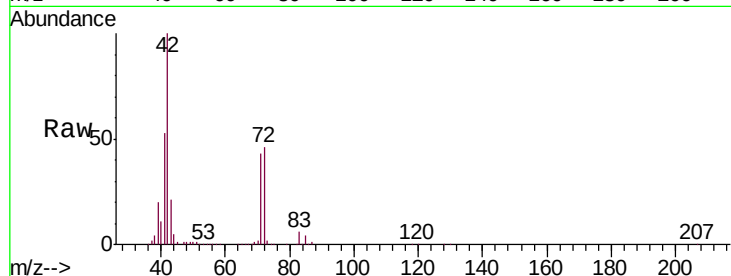
Tgt Ion: 42 Resp: 428659

Ion Ratio Lower Upper

42 100

72 46.3 36.6 54.8

71 43.3 34.3 51.5



#30

Chloroform

Concen: 51.027 ug/l

RT: 4.65 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VU034480.D

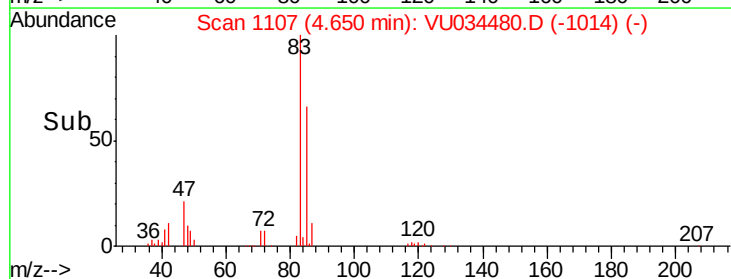
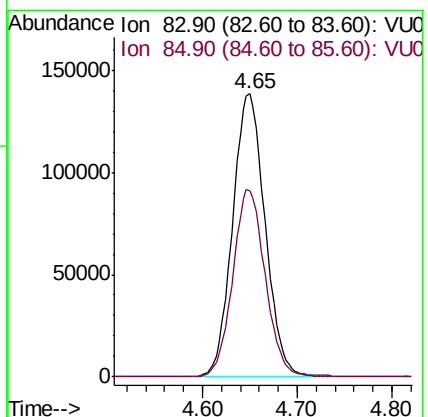
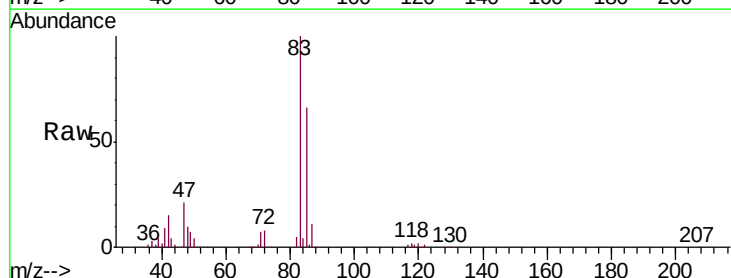
Acq: 11 Sep 2019 17:09

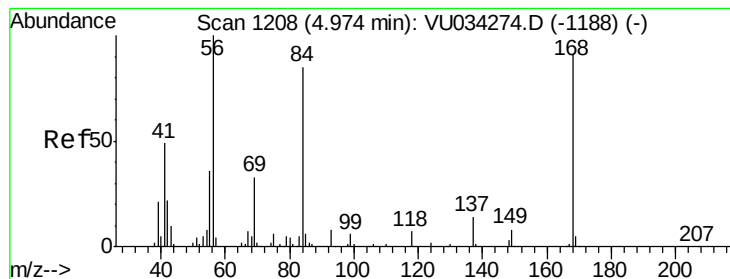
Tgt Ion: 83 Resp: 330607

Ion Ratio Lower Upper

83 100

85 65.8 51.5 77.3





#31

Cyclohexane

Concen: 47.143 ug/l

RT: 4.97 min Scan# 1207

Delta R.T. -0.00 min

Lab File: VU034480.D

Acq: 11 Sep 2019 17:09

Instrument :

MSVOA_U

ClientSampled :

VSTDCCC050

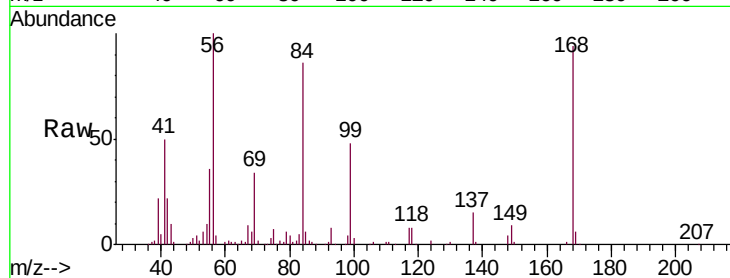
Tgt Ion: 56 Resp: 219834

Ion Ratio Lower Upper

56 100

69 33.7 26.7 40.1

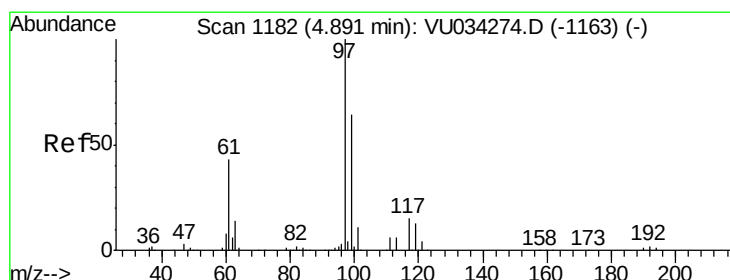
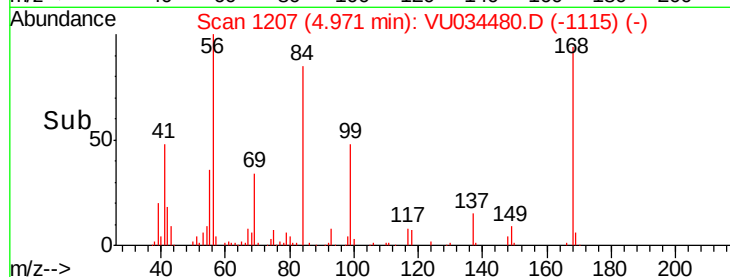
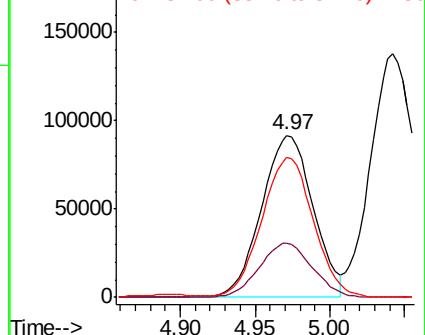
84 85.0 68.2 102.4



Abundance Ion 56.00 (55.70 to 56.70): VU034480.D (-1188) (-)

Ion 69.00 (68.70 to 69.70): VU034480.D (-1188) (-)

Ion 84.00 (83.70 to 84.70): VU034480.D (-1188) (-)



#32

1,1,1-Trichloroethane

Concen: 52.158 ug/l

RT: 4.89 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU034480.D

Acq: 11 Sep 2019 17:09

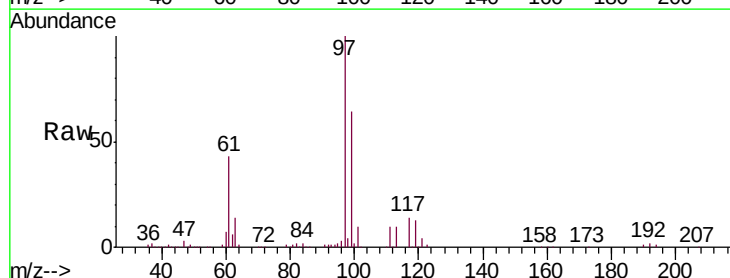
Tgt Ion: 97 Resp: 270185

Ion Ratio Lower Upper

97 100

99 63.8 50.9 76.3

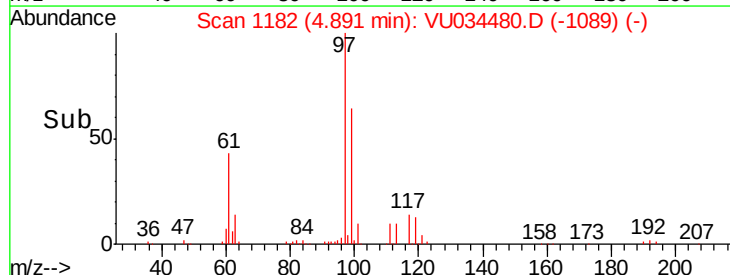
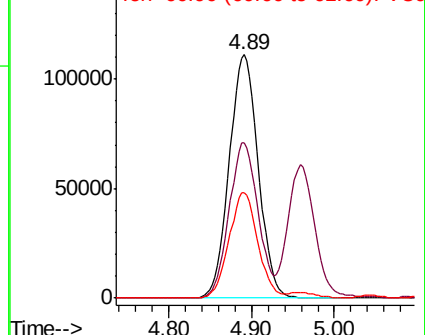
61 43.2 34.7 52.1

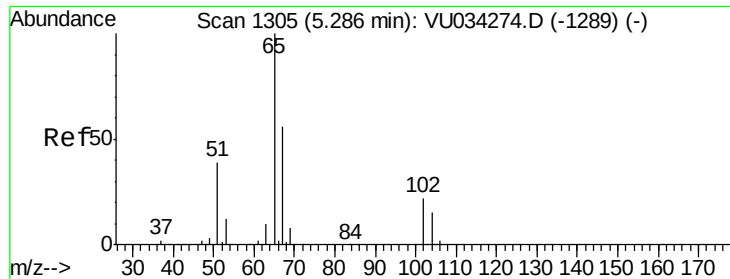


Abundance Ion 96.90 (96.60 to 97.60): VU034480.D (-1089) (-)

Ion 98.90 (98.60 to 99.60): VU034480.D (-1089) (-)

Ion 60.90 (60.60 to 61.60): VU034480.D (-1089) (-)

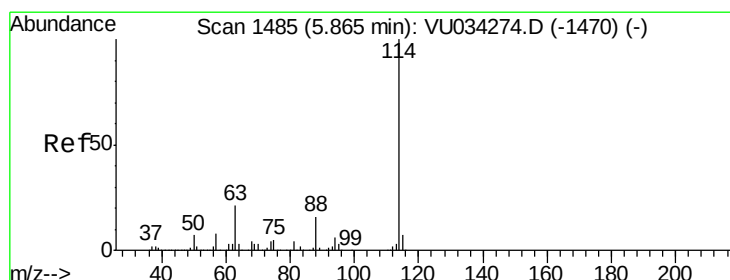
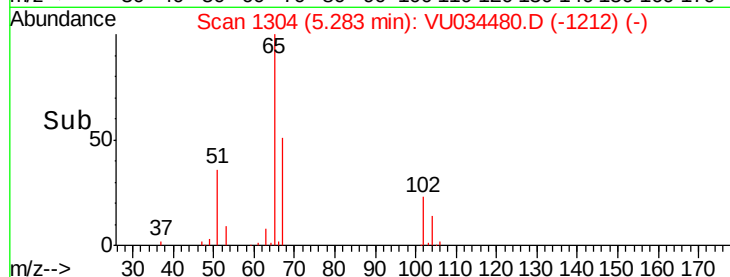
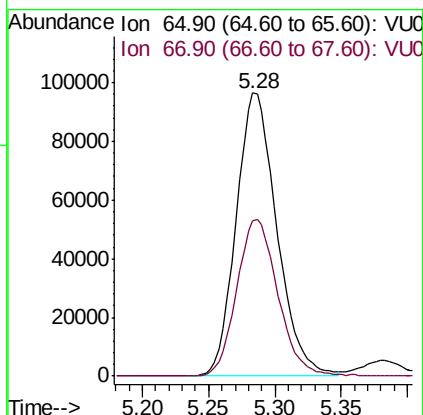
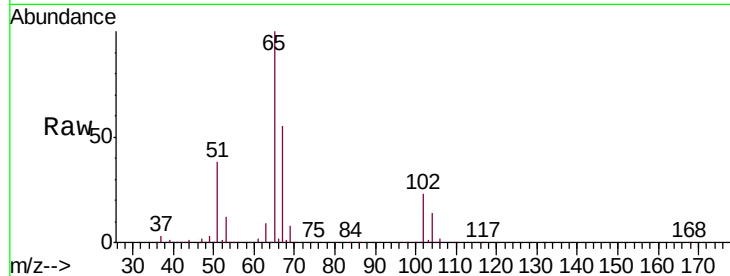




#33
 1,2-Dichloroethane-d4
 Concen: 51.722 ug/l
 RT: 5.28 min Scan# 1304
 Delta R.T. -0.00 min
 Lab File: VU034480.D
 Acq: 11 Sep 2019 17:09

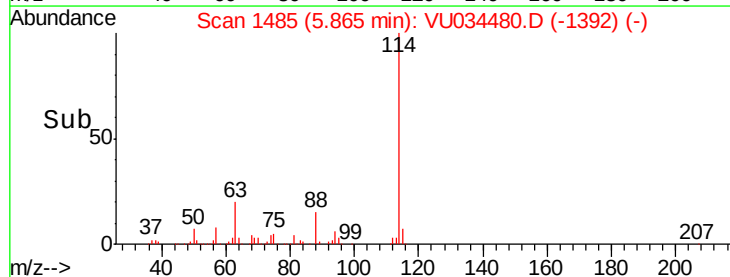
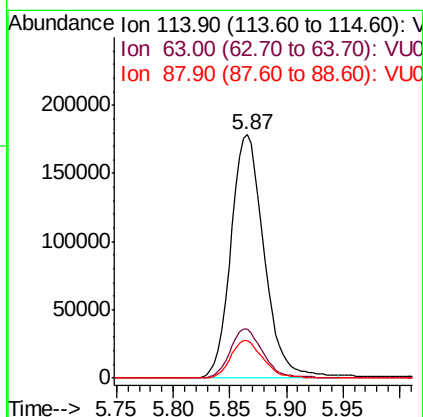
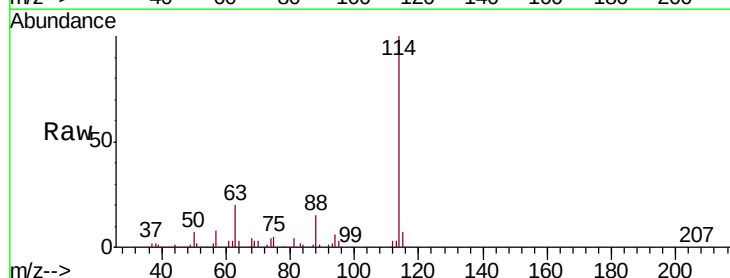
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

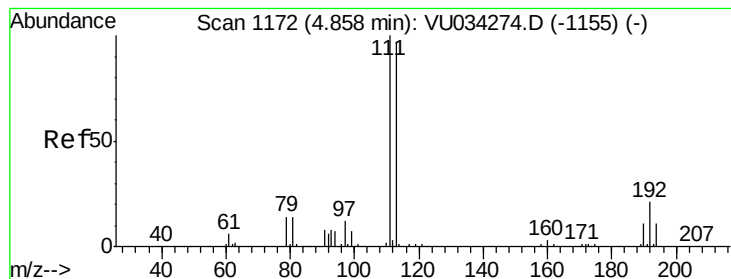
Tgt Ion: 65 Resp: 205912
 Ion Ratio Lower Upper
 65 100
 67 55.8 0.0 112.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.87 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VU034480.D
 Acq: 11 Sep 2019 17:09

Tgt Ion: 114 Resp: 365215
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 42.4
 88 15.5 0.0 32.4





#35

Dibromofluoromethane

Concen: 55.187 ug/l

RT: 4.86 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU034480.D

Acq: 11 Sep 2019 17:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

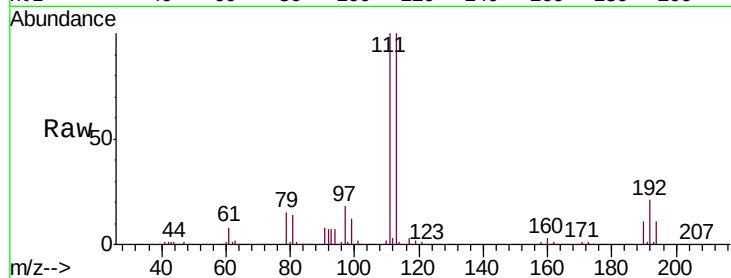
Tgt Ion: 113 Resp: 187544

Ion Ratio Lower Upper

113 100

111 101.6 81.5 122.3

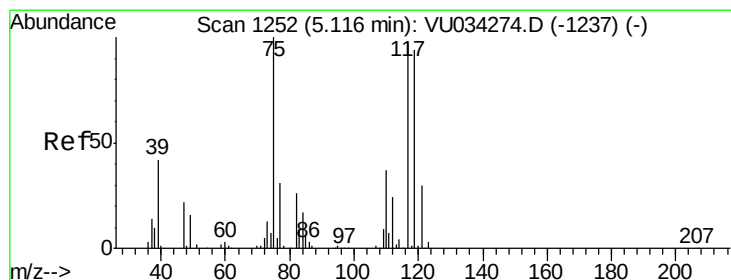
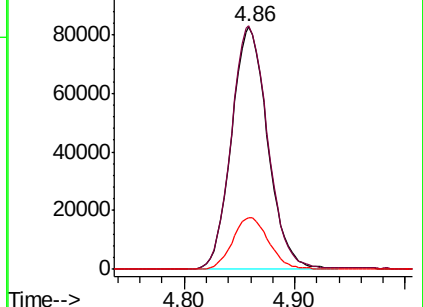
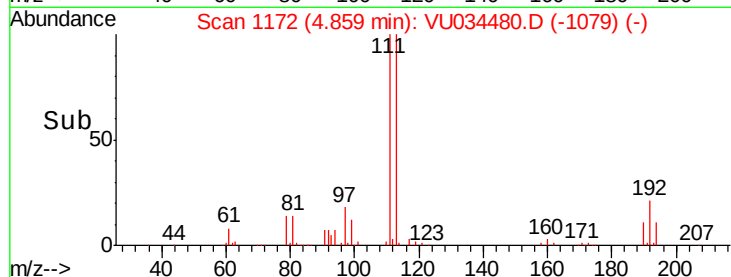
192 21.4 17.8 26.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 52.762 ug/l

RT: 5.11 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VU034480.D

Acq: 11 Sep 2019 17:09

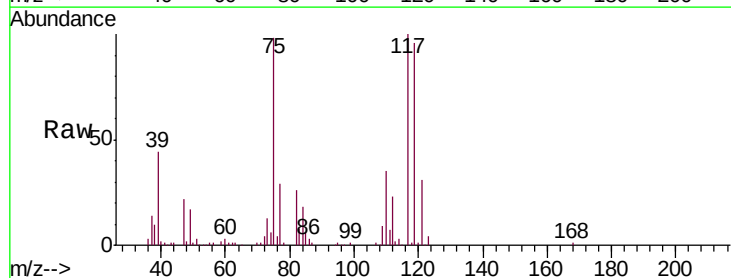
Tgt Ion: 75 Resp: 208978

Ion Ratio Lower Upper

75 100

110 36.6 18.3 54.9

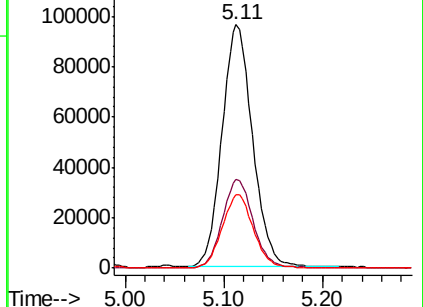
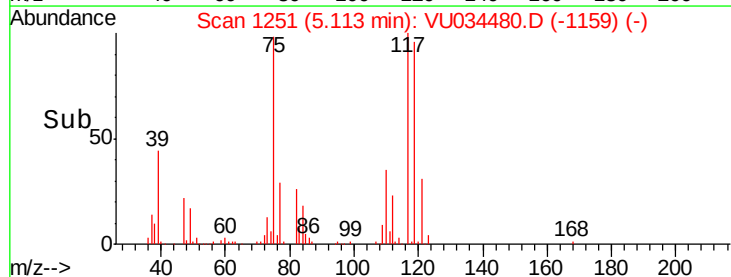
77 30.1 24.9 37.3

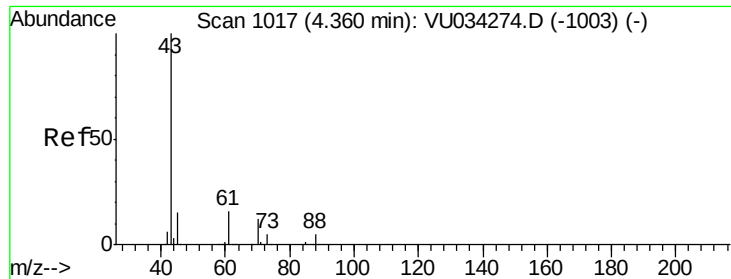


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

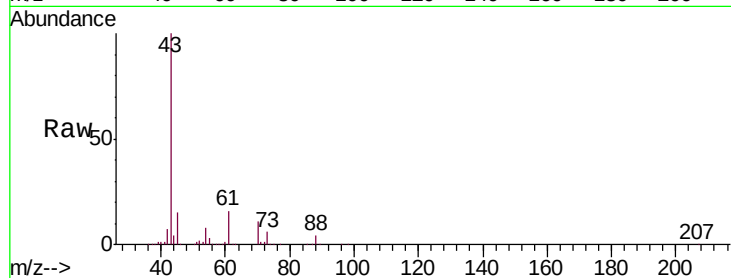




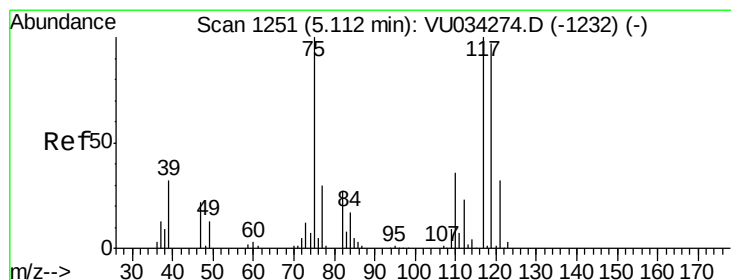
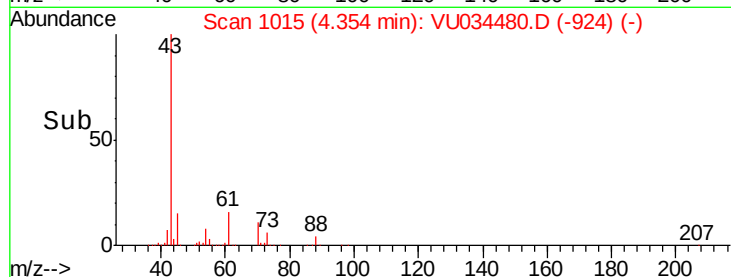
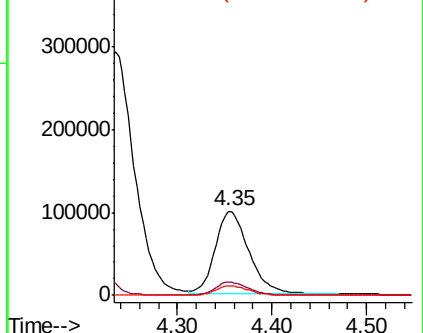
#37
Ethyl Acetate
Concen: 53.265 ug/l
RT: 4.35 min Scan# 1015
Delta R.T. -0.01 min
Lab File: VU034480.D
Acq: 11 Sep 2019 17:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 249438
Ion Ratio Lower Upper
43 100
61 15.0 12.3 18.5
70 11.3 9.1 13.7

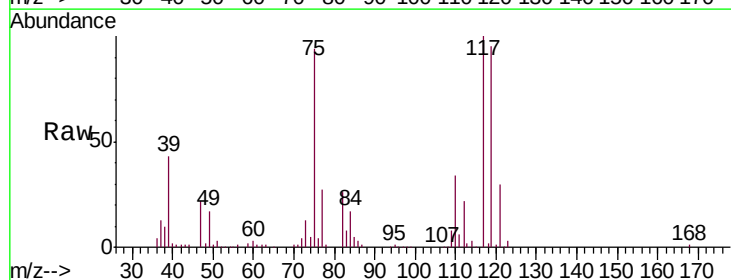


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 70.00 (69.70 to 70.70): VU0

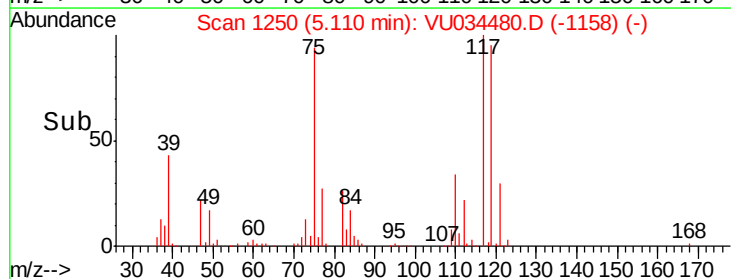
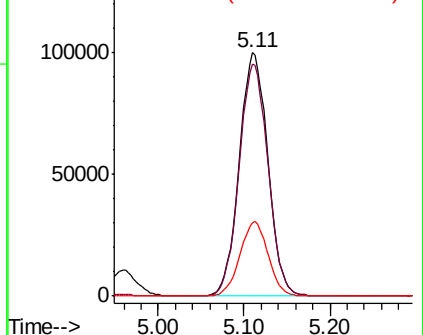


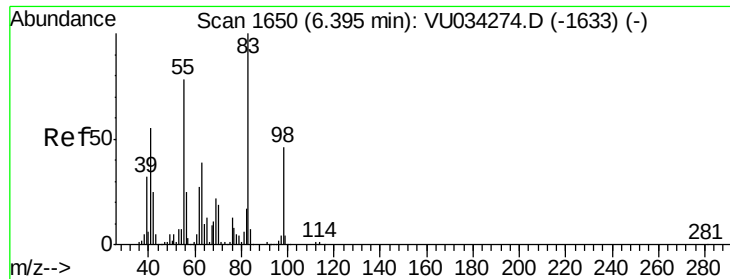
#38
Carbon Tetrachloride
Concen: 54.689 ug/l
RT: 5.11 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VU034480.D
Acq: 11 Sep 2019 17:09

Tgt Ion: 117 Resp: 231283
Ion Ratio Lower Upper
117 100
119 95.1 77.8 116.6
121 30.2 25.2 37.8



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

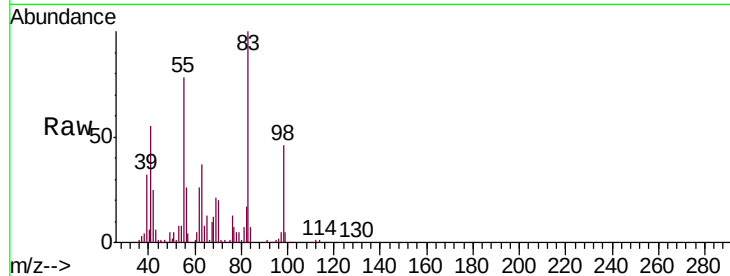




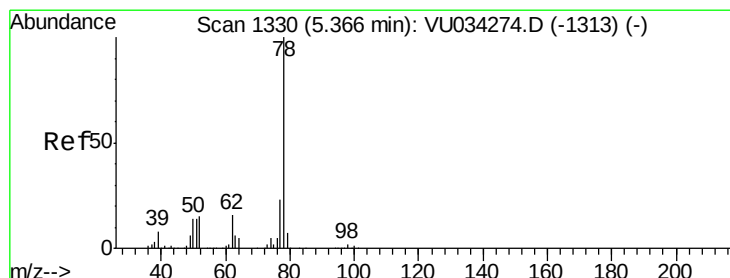
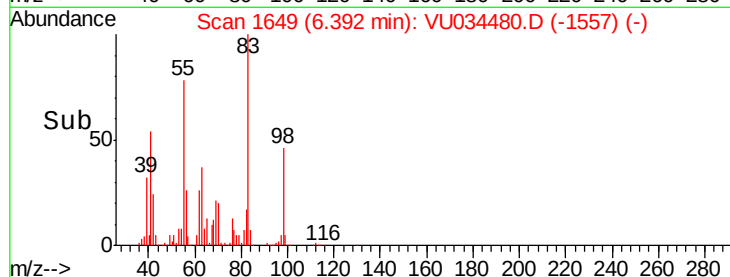
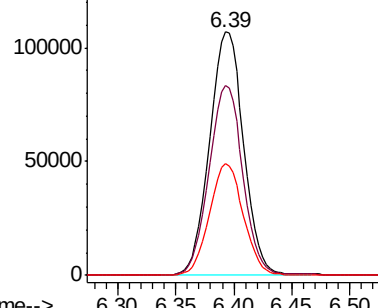
#39
Methylcyclohexane
Concen: 51.576 ug/l
RT: 6.39 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VU034480.D
Acq: 11 Sep 2019 17:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 218379
Ion Ratio Lower Upper
83 100
55 78.1 62.1 93.1
98 45.8 37.0 55.6

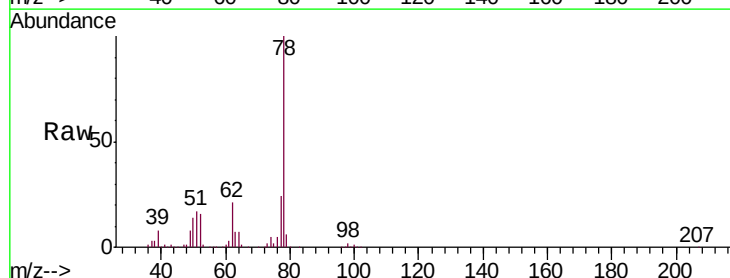


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

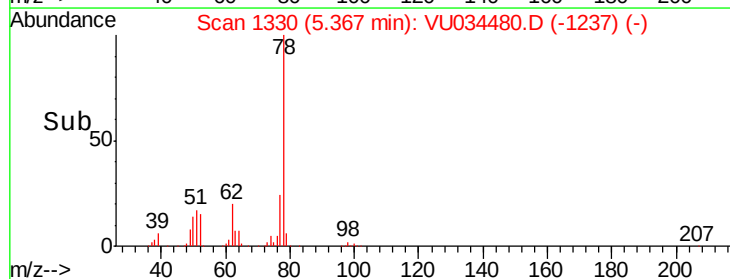
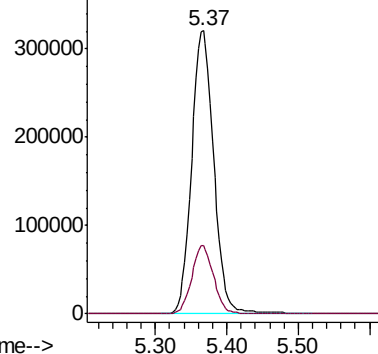


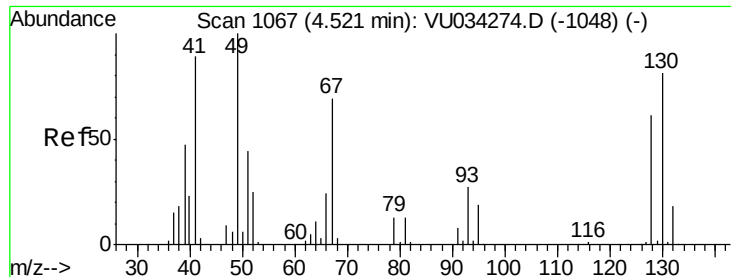
#40
Benzene
Concen: 53.997 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034480.D
Acq: 11 Sep 2019 17:09

Tgt Ion: 78 Resp: 690111
Ion Ratio Lower Upper
78 100
77 24.0 18.7 28.1



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





#41

Methacrylonitrile

Concen: 56.455 ug/l

RT: 4.51 min Scan# 1065

Delta R.T. -0.01 min

Lab File: VU034480.D

Acq: 11 Sep 2019 17:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 140824

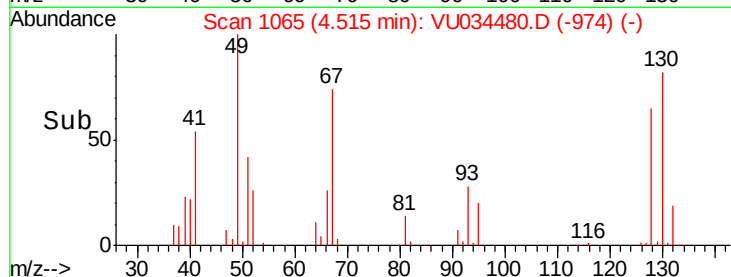
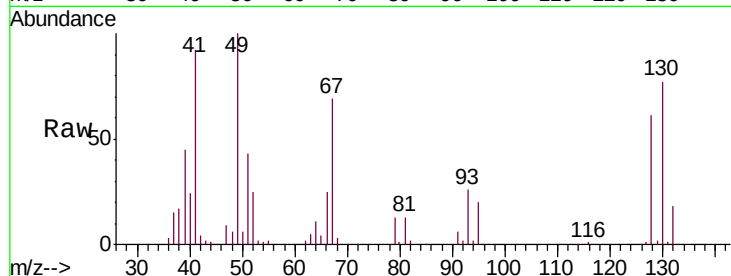
Ion Ratio Lower Upper

41 100

39 50.9 41.0 61.4

67 79.4 62.4 93.6

52 28.3 23.6 35.4

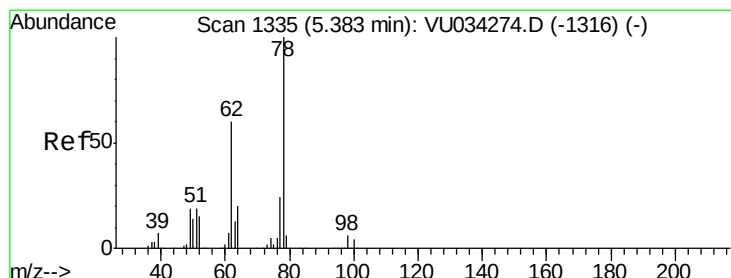
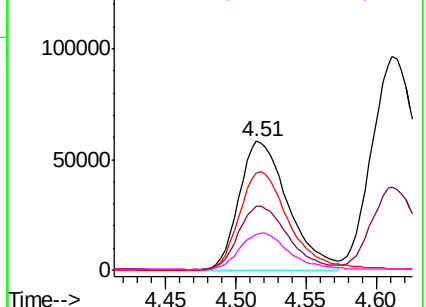


Abundance Ion 41.00 (40.70 to 41.70): VU034480.D (-974) (-)

Ion 39.00 (38.70 to 39.70): VU034480.D (-974) (-)

Ion 67.00 (66.70 to 67.70): VU034480.D (-974) (-)

Ion 52.00 (51.70 to 52.70): VU034480.D (-974) (-)



#42

1,2-Dichloroethane

Concen: 54.323 ug/l

RT: 5.38 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VU034480.D

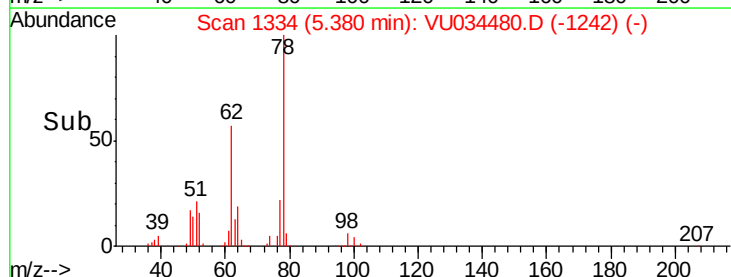
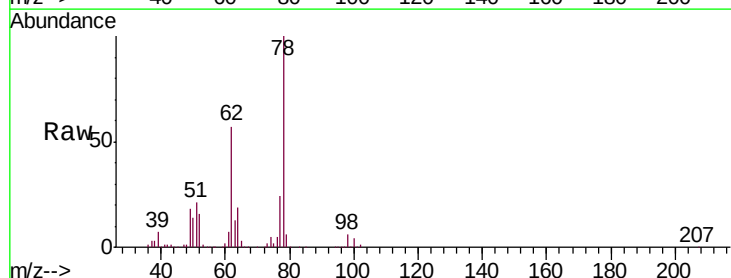
Acq: 11 Sep 2019 17:09

Tgt Ion: 62 Resp: 241049

Ion Ratio Lower Upper

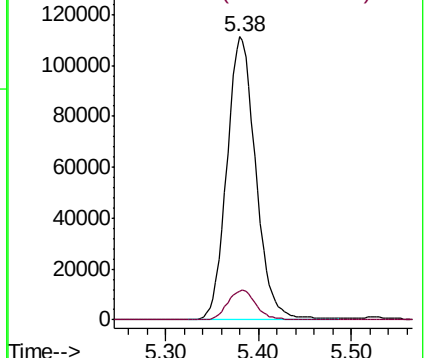
62 100

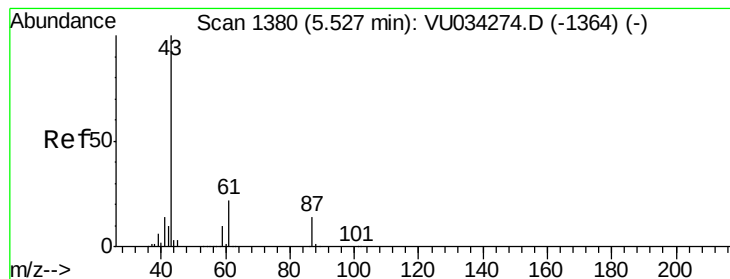
98 10.3 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VU034480.D (-1242) (-)

Ion 97.90 (97.60 to 98.60): VU034480.D (-1242) (-)





#43

Isopropyl Acetate

Concen: 54.159 ug/l

RT: 5.52 min Scan# 1379

Delta R.T. -0.00 min

Lab File: VU034480.D

Acq: 11 Sep 2019 17:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

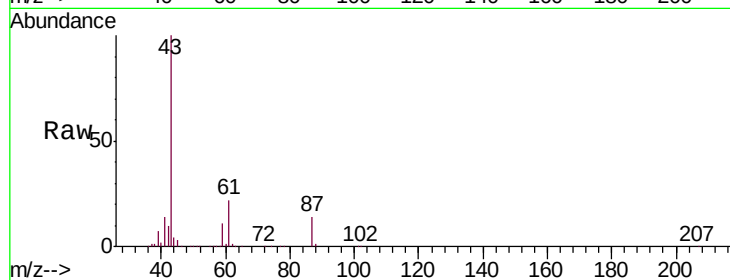
Tgt Ion: 43 Resp: 395649

Ion Ratio Lower Upper

43 100

61 21.6 17.1 25.7

87 13.8 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): VU034480.D (-1379) (-)

Ion 61.00 (60.70 to 61.70): VU034480.D (-1379) (-)

Ion 87.00 (86.70 to 87.70): VU034480.D (-1379) (-)

250000

200000

150000

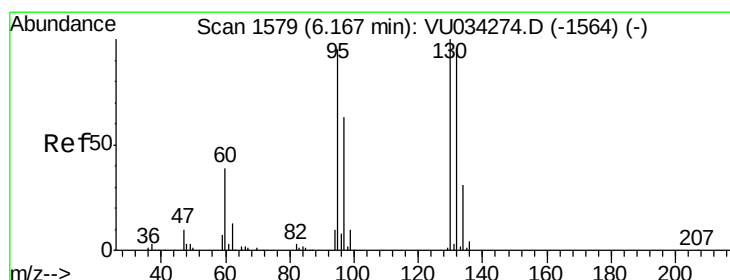
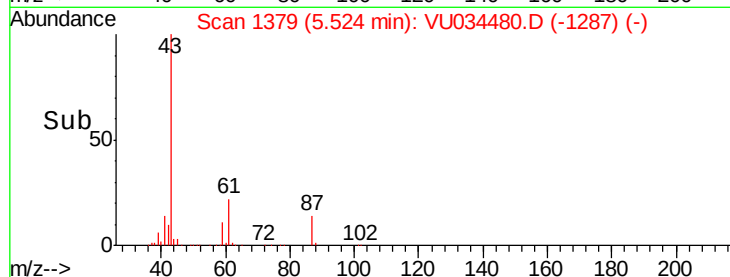
100000

50000

0

5.40 5.50 5.60 5.70

Time-->



#44

Trichloroethene

Concen: 52.833 ug/l

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU034480.D

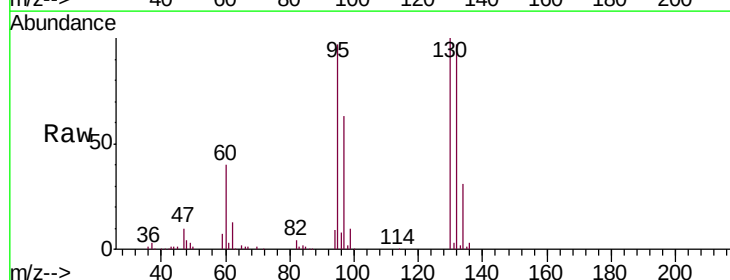
Acq: 11 Sep 2019 17:09

Tgt Ion: 130 Resp: 186849

Ion Ratio Lower Upper

130 100

95 96.8 0.0 189.2



Abundance Ion 129.80 (129.50 to 130.50): VU034480.D (-1578) (-)

Ion 94.90 (94.60 to 95.60): VU034480.D (-1578) (-)

100000

80000

60000

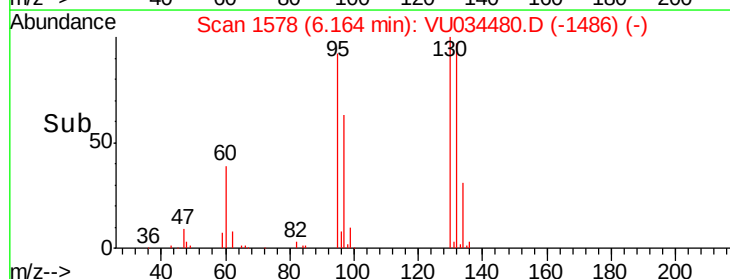
40000

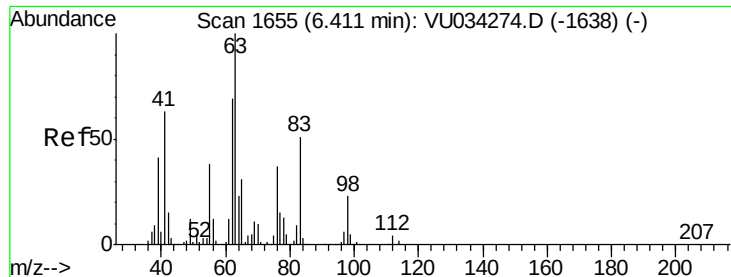
20000

0

6.10 6.15 6.20 6.25

Time-->

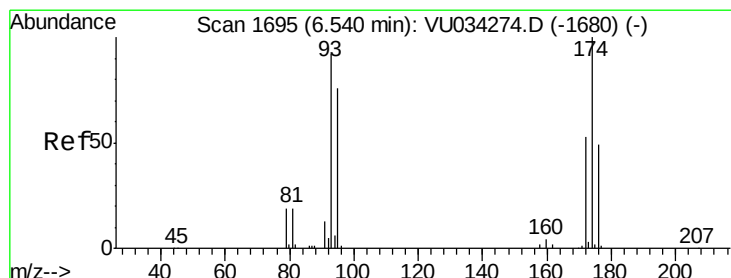
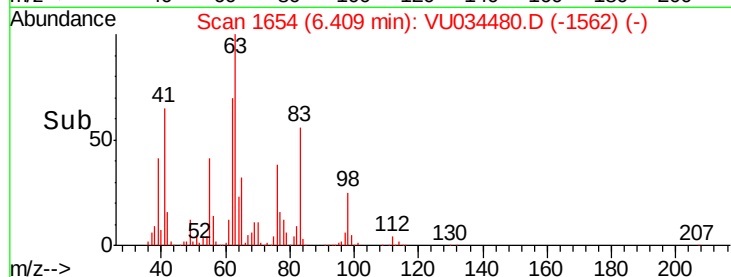
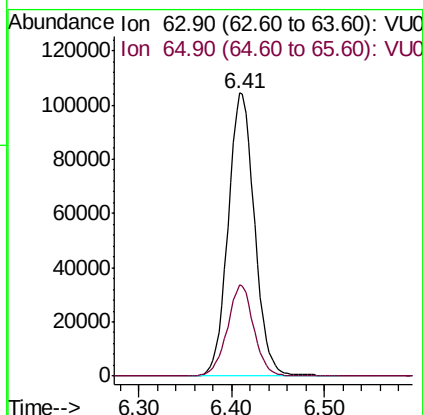
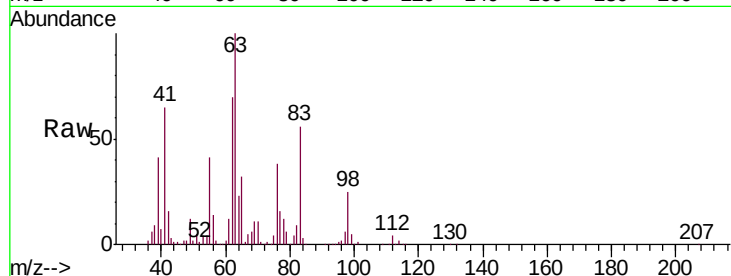




#45
 1,2-Dichloropropane
 Concen: 55.155 ug/l
 RT: 6.41 min Scan# 1654
 Delta R.T. -0.00 min
 Lab File: VU034480.D
 Acq: 11 Sep 2019 17:09

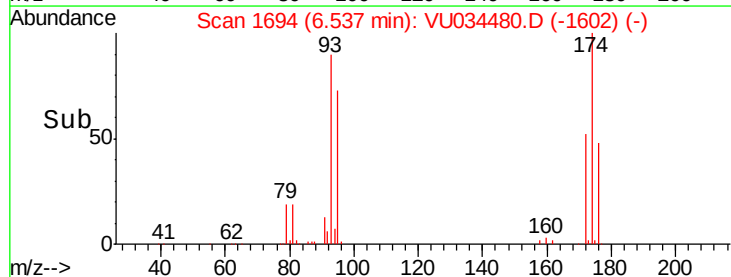
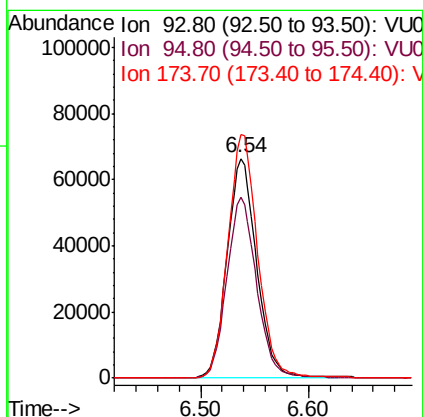
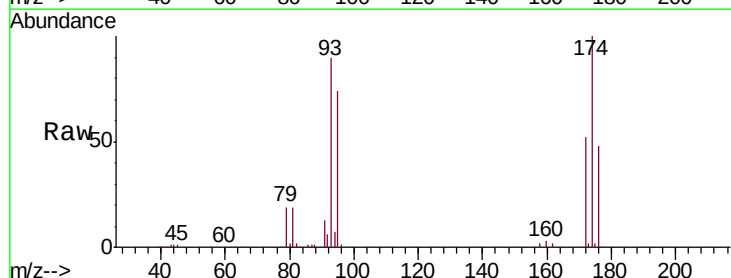
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

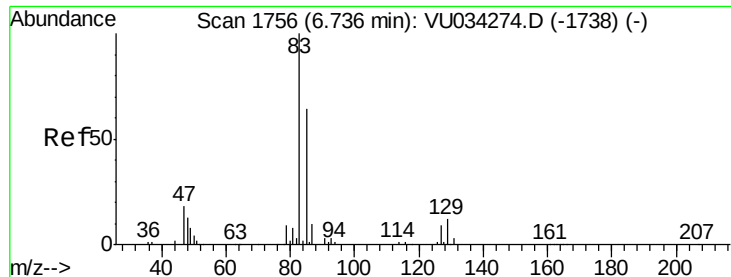
Tgt Ion: 63 Resp: 206076
 Ion Ratio Lower Upper
 63 100
 65 32.1 24.6 37.0



#46
 Dibromomethane
 Concen: 54.319 ug/l
 RT: 6.54 min Scan# 1694
 Delta R.T. -0.00 min
 Lab File: VU034480.D
 Acq: 11 Sep 2019 17:09

Tgt Ion: 93 Resp: 127392
 Ion Ratio Lower Upper
 93 100
 95 82.6 66.5 99.7
 174 111.4 87.8 131.6

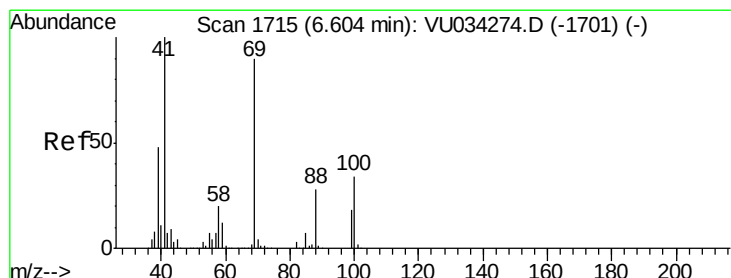
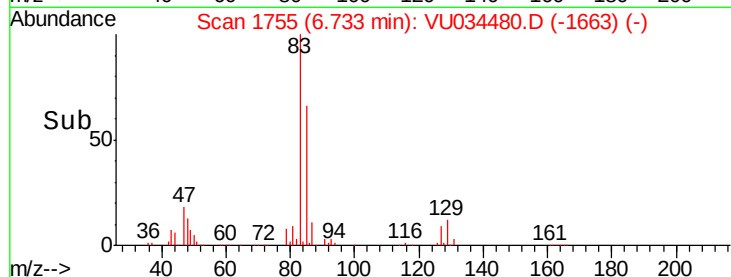
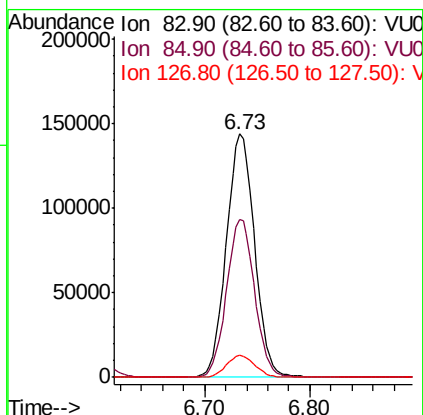
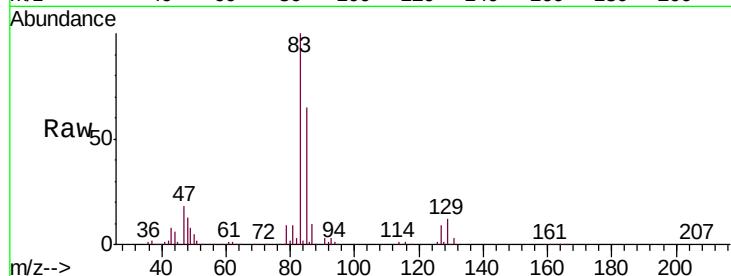




#47
Bromodichloromethane
Concen: 55.252 ug/l
RT: 6.73 min Scan# 1755
Delta R.T. -0.00 min
Lab File: VU034480.D
Acq: 11 Sep 2019 17:09

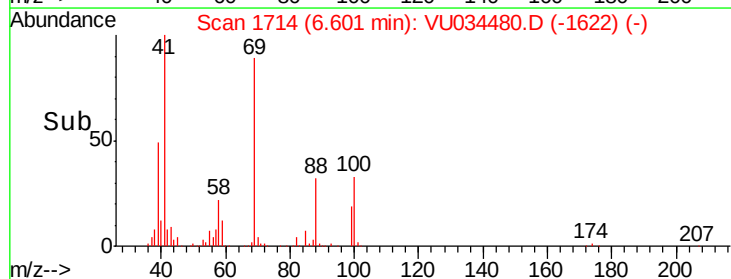
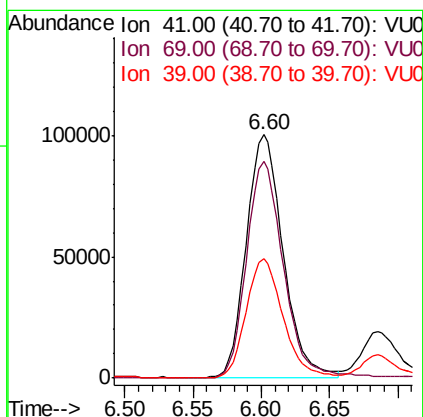
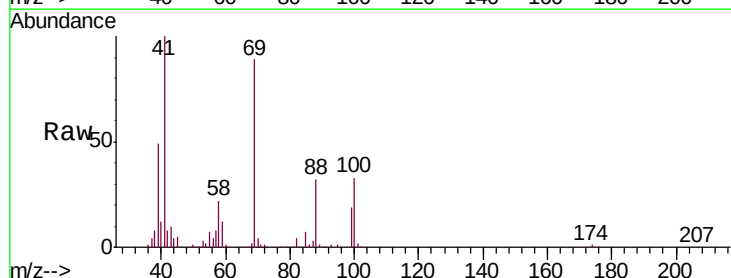
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

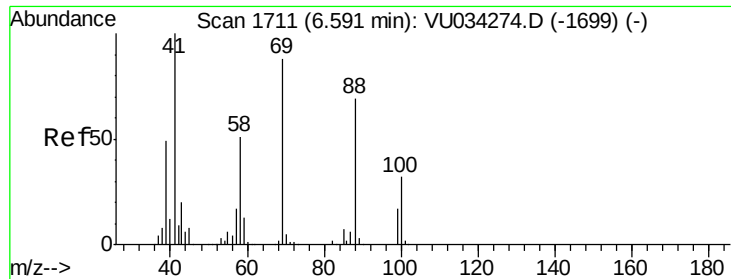
Tgt Ion: 83 Resp: 266732
Ion Ratio Lower Upper
83 100
85 64.8 51.1 76.7
127 9.0 7.2 10.8



#48
Methyl methacrylate
Concen: 53.897 ug/l
RT: 6.60 min Scan# 1714
Delta R.T. -0.00 min
Lab File: VU034480.D
Acq: 11 Sep 2019 17:09

Tgt Ion: 41 Resp: 187009
Ion Ratio Lower Upper
41 100
69 91.1 72.8 109.2
39 48.9 38.6 58.0

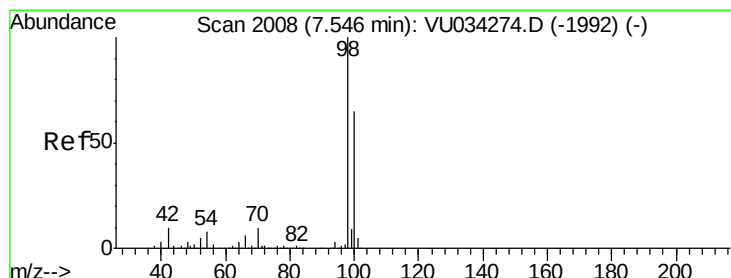
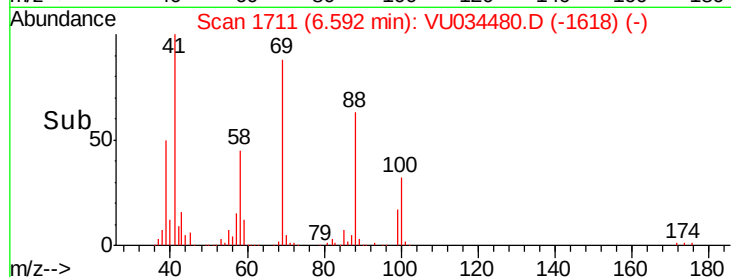
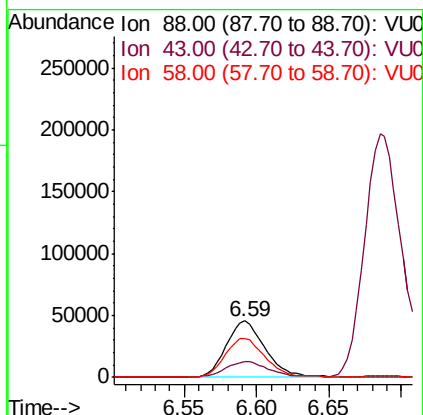
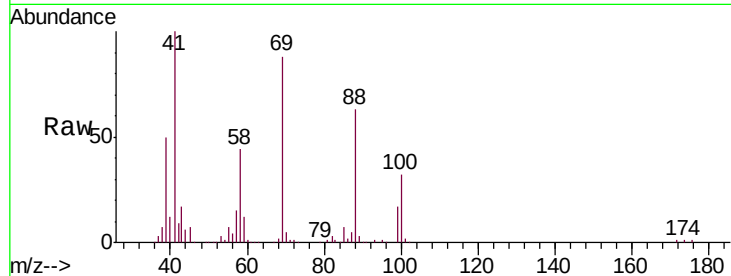




#49
 1,4-Dioxane
 Concen: 1109.975 ug/l
 RT: 6.59 min Scan# 1711
 Delta R.T. 0.00 min
 Lab File: VU034480.D
 Acq: 11 Sep 2019 17:09

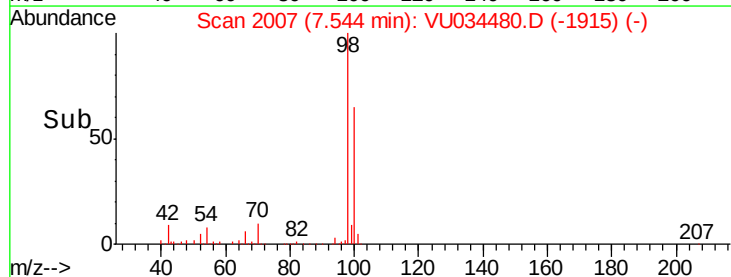
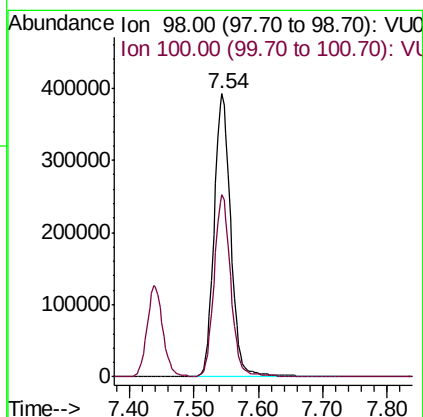
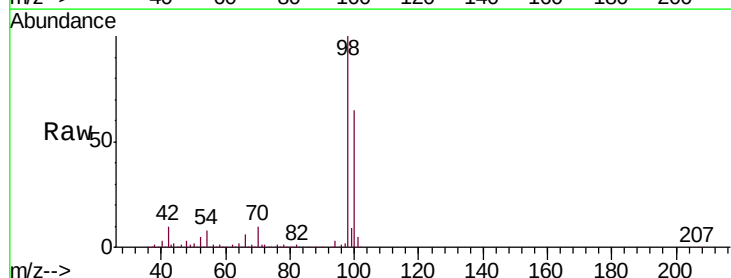
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

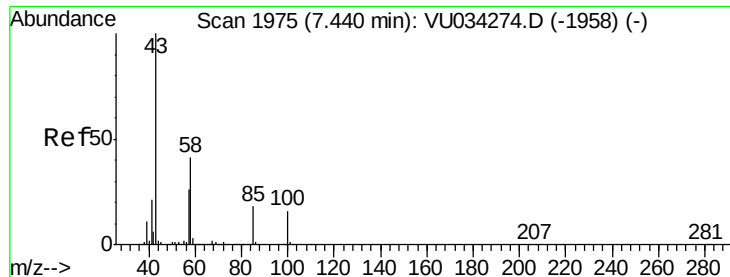
Tgt Ion: 88 Resp: 84099
 Ion Ratio Lower Upper
 88 100
 43 28.6 23.8 35.6
 58 72.7 58.4 87.6



#50
 Toluene-d8
 Concen: 55.086 ug/l
 RT: 7.54 min Scan# 2007
 Delta R.T. -0.00 min
 Lab File: VU034480.D
 Acq: 11 Sep 2019 17:09

Tgt Ion: 98 Resp: 703314
 Ion Ratio Lower Upper
 98 100
 100 63.5 51.7 77.5

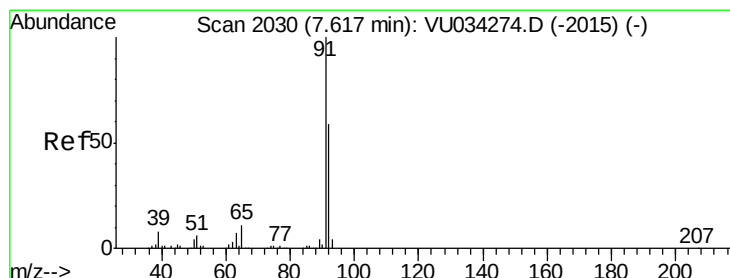
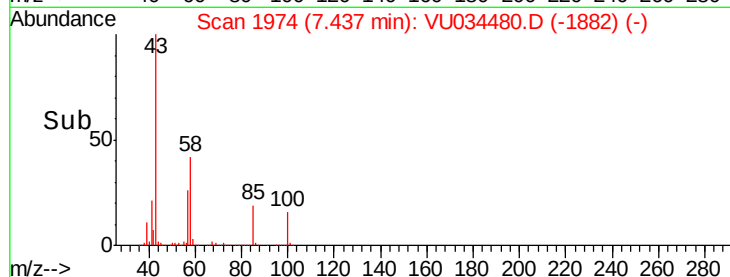
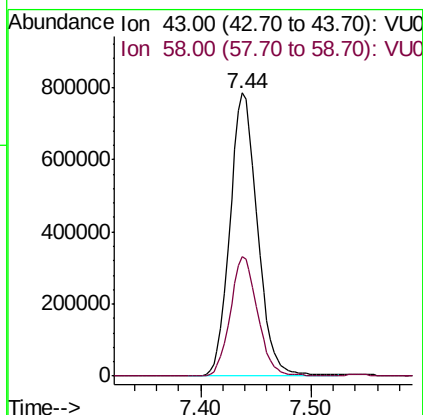
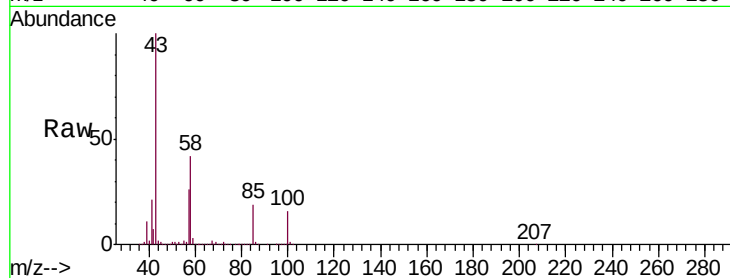




#51
 4-Methyl-2-Pentanone
 Concen: 269.329 ug/l
 RT: 7.44 min Scan# 1974
 Delta R.T. -0.00 min
 Lab File: VU034480.D
 Acq: 11 Sep 2019 17:09

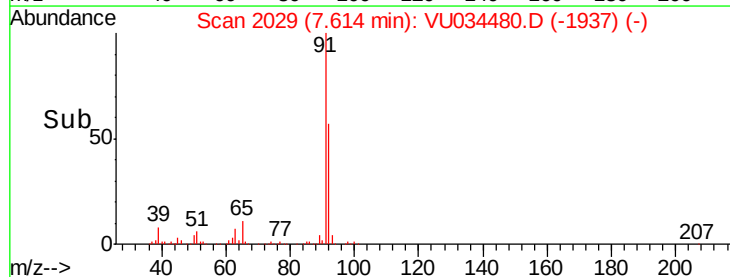
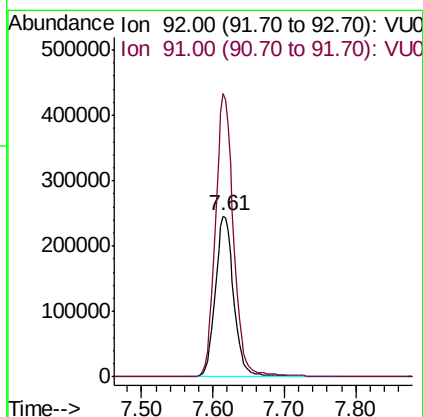
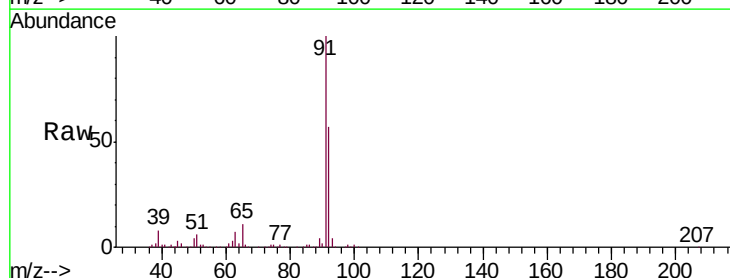
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

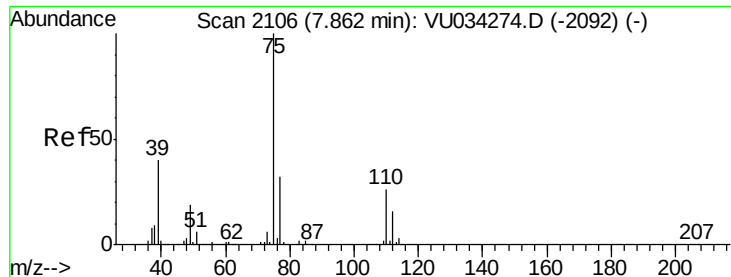
Tgt Ion: 43 Resp: 1361928
 Ion Ratio Lower Upper
 43 100
 58 41.8 33.0 49.4



#52
 Toluene
 Concen: 54.822 ug/l
 RT: 7.61 min Scan# 2029
 Delta R.T. -0.00 min
 Lab File: VU034480.D
 Acq: 11 Sep 2019 17:09

Tgt Ion: 92 Resp: 439524
 Ion Ratio Lower Upper
 92 100
 91 174.3 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 55.073 ug/l

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VU034480.D

Acq: 11 Sep 2019 17:09

Instrument :

MSVOA_U

ClientSampleId :

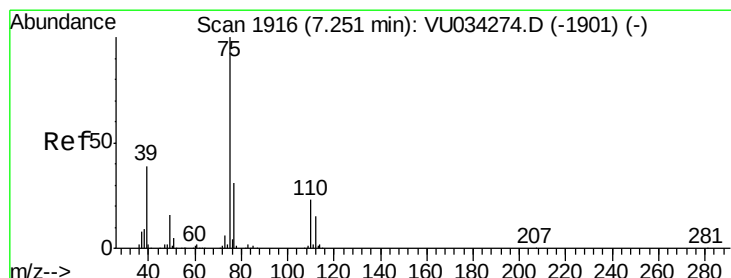
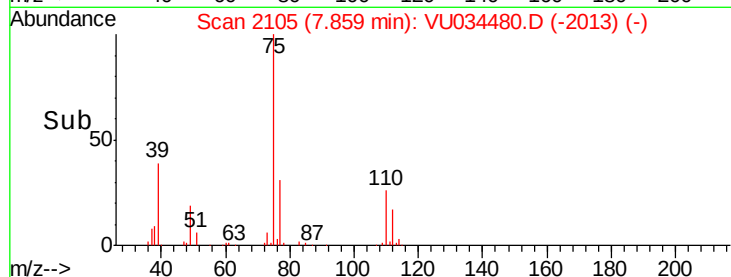
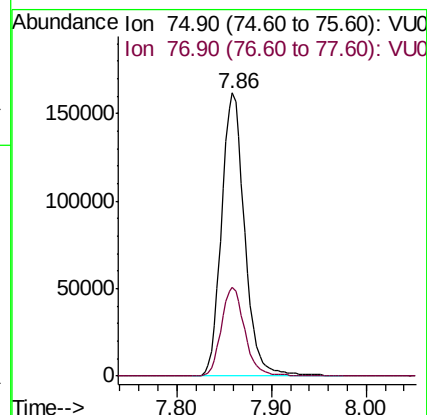
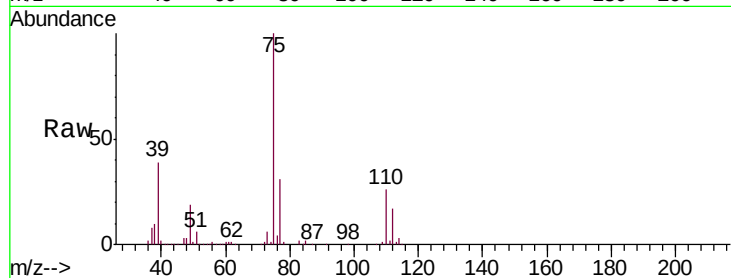
VSTDCCC050

Tgt Ion: 75 Resp: 275607

Ion Ratio Lower Upper

75 100

77 31.3 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 56.977 ug/l

RT: 7.25 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VU034480.D

Acq: 11 Sep 2019 17:09

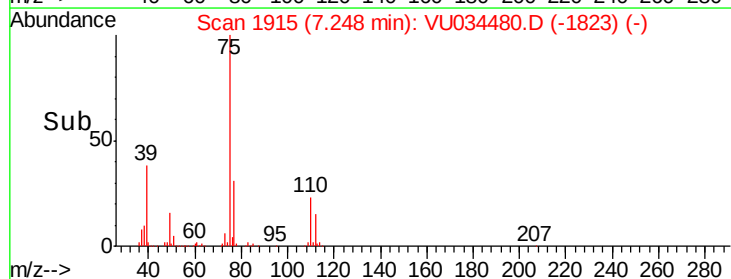
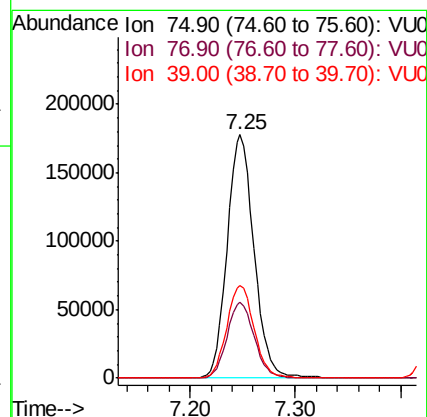
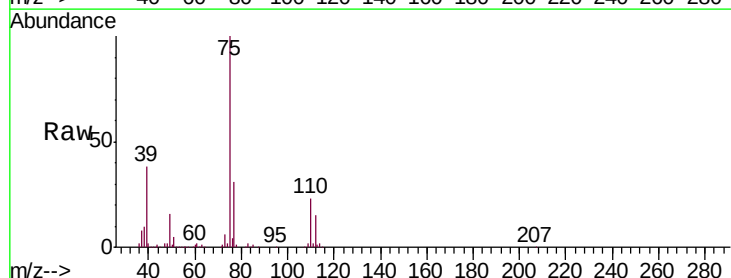
Tgt Ion: 75 Resp: 312941

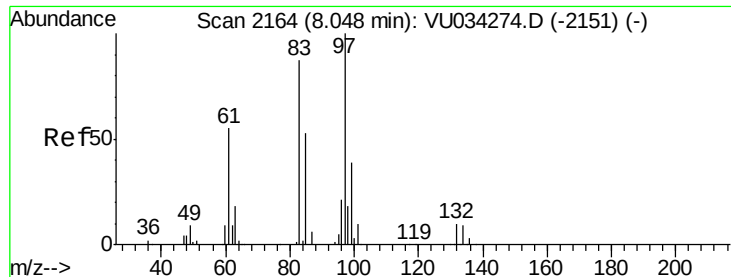
Ion Ratio Lower Upper

75 100

77 31.3 25.1 37.7

39 38.1 31.2 46.8





#55

1,1,2-Trichloroethane

Concen: 56.571 ug/l

RT: 8.05 min Scan# 2163

Delta R.T. -0.00 min

Lab File: VU034480.D

Acq: 11 Sep 2019 17:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 205942

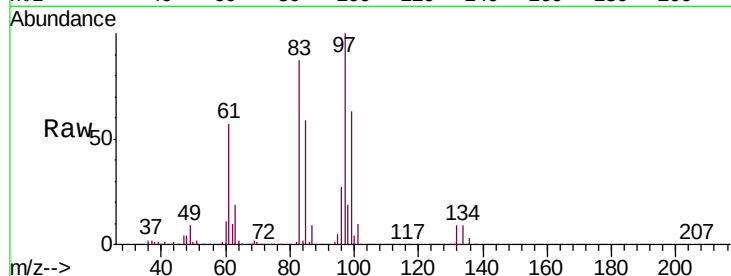
Ion Ratio Lower Upper

97 100

83 87.1 69.0 103.6

85 59.2 44.2 66.2

99 62.7 49.4 74.0

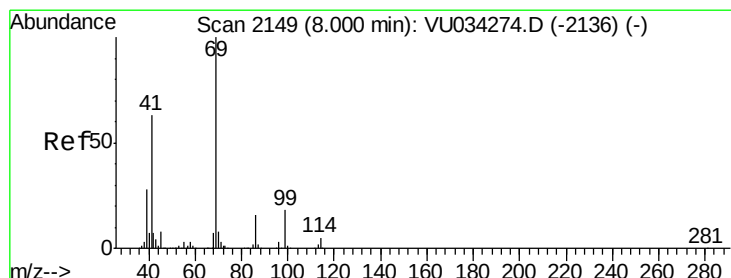
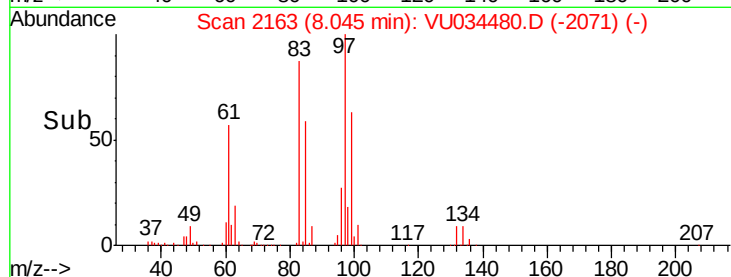
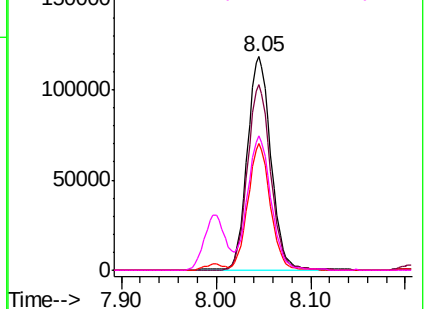


Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0



#56

Ethyl methacrylate

Concen: 50.664 ug/l

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VU034480.D

Acq: 11 Sep 2019 17:09

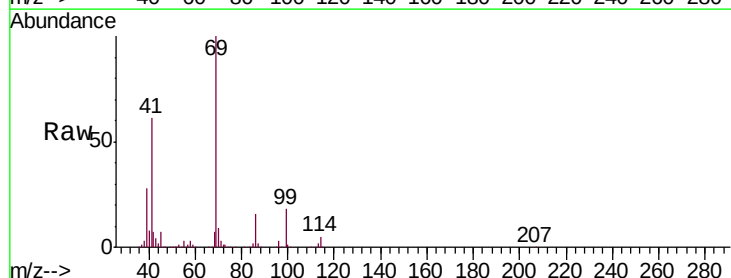
Tgt Ion: 69 Resp: 280460

Ion Ratio Lower Upper

69 100

41 61.8 49.5 74.3

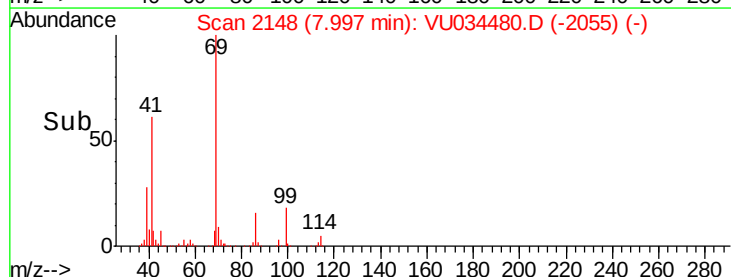
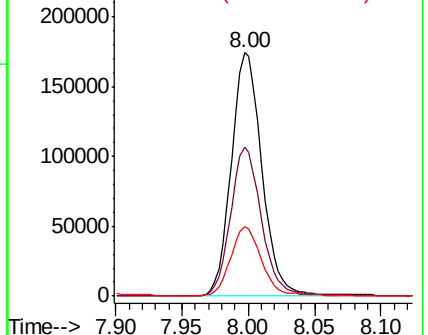
39 28.5 22.5 33.7

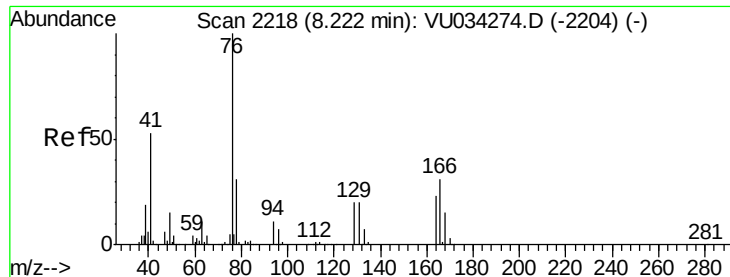


Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0





#57

1,3-Dichloropropane

Concen: 55.096 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU034480.D

Acq: 11 Sep 2019 17:09

Instrument :

MSVOA_U

ClientSampleId :

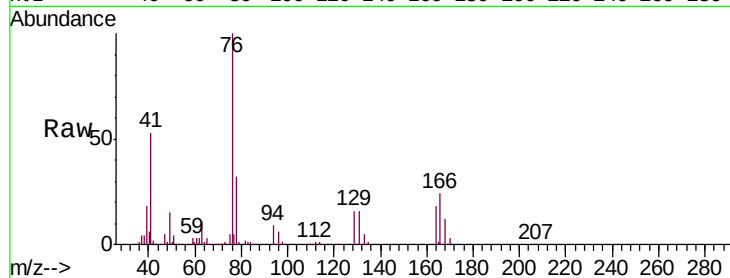
VSTDCCC050

Tgt Ion: 76 Resp: 326607

Ion Ratio Lower Upper

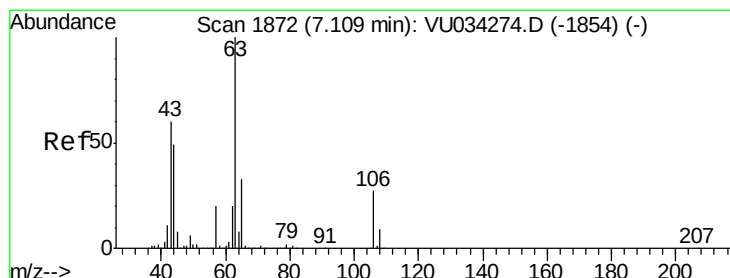
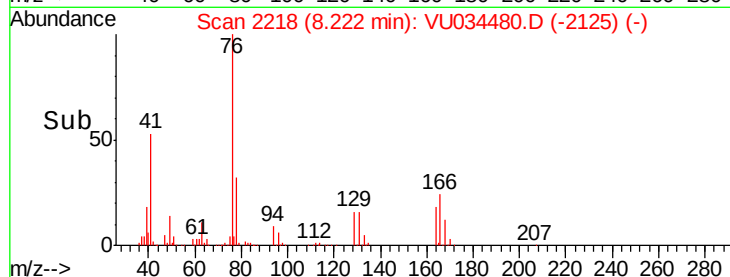
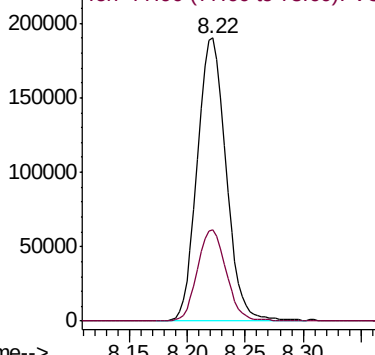
76 100

78 32.4 25.4 38.2



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 226.803 ug/l

RT: 7.11 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VU034480.D

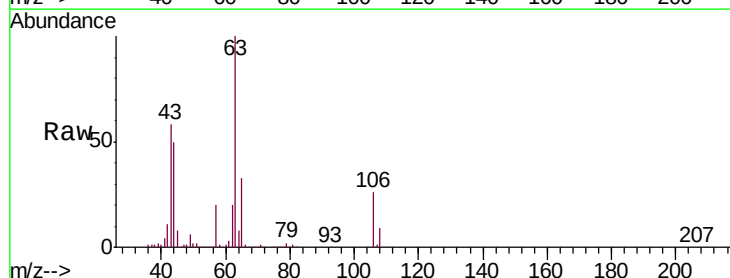
Acq: 11 Sep 2019 17:09

Tgt Ion: 63 Resp: 421307

Ion Ratio Lower Upper

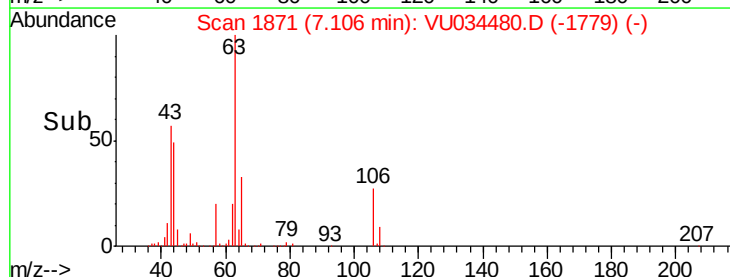
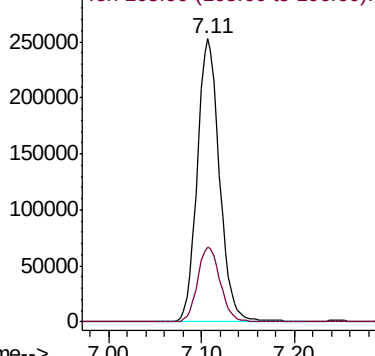
63 100

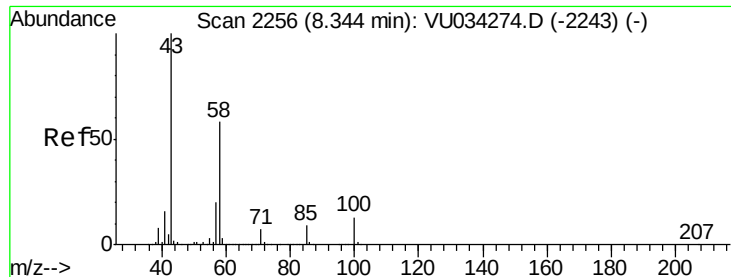
106 27.1 21.6 32.4



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

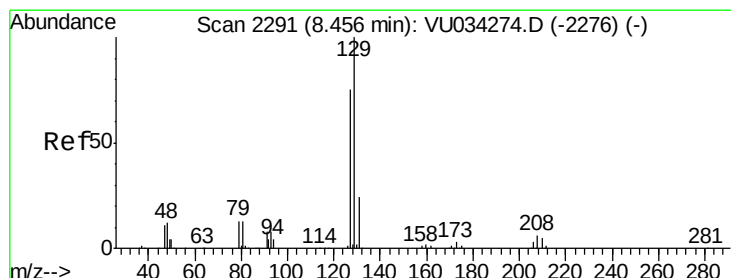
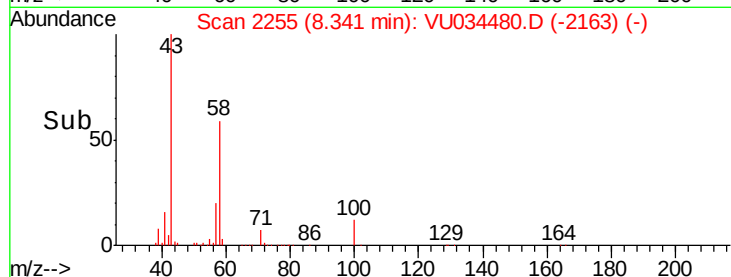
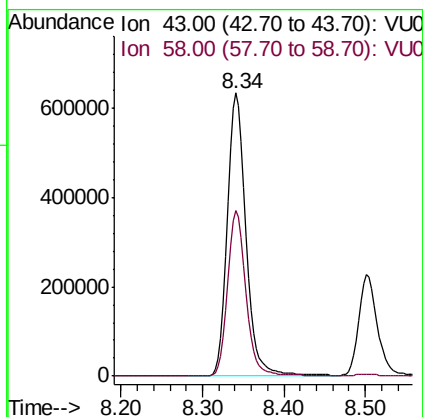
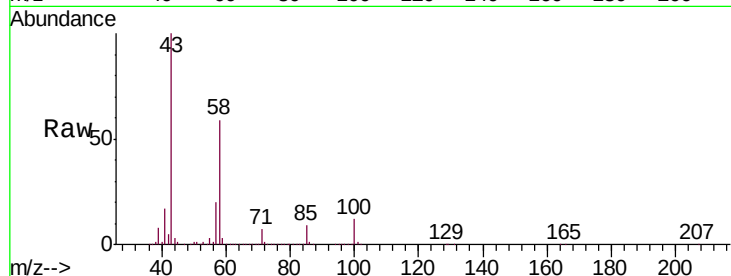




#59
2-Hexanone
Concen: 273.518 ug/l
RT: 8.34 min Scan# 2255
Delta R.T. -0.00 min
Lab File: VU034480.D
Acq: 11 Sep 2019 17:09

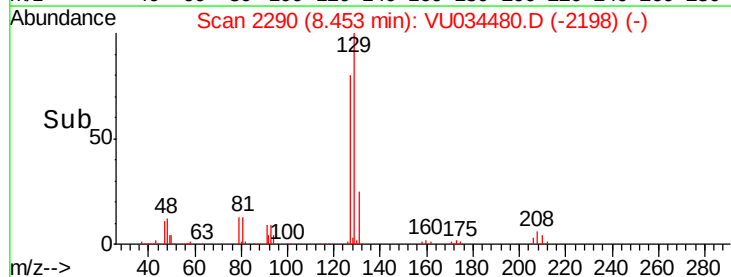
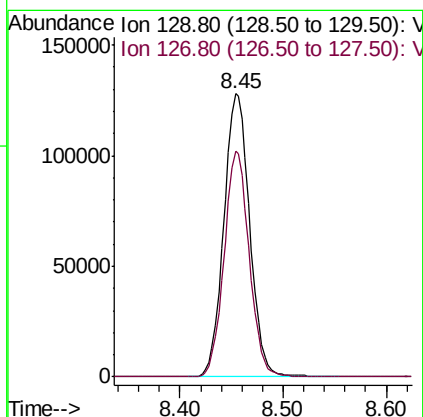
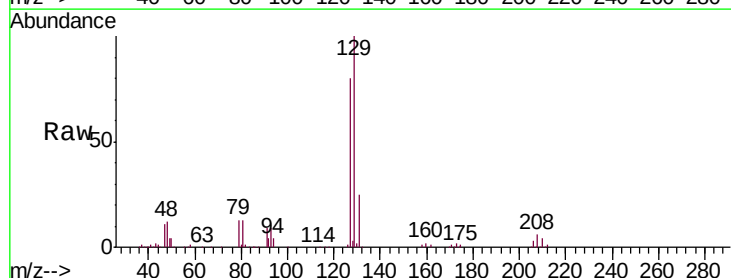
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

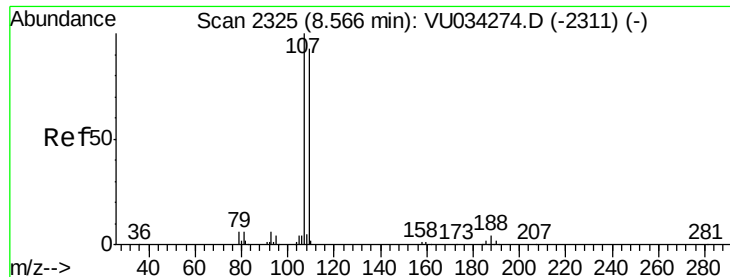
Tgt Ion: 43 Resp: 1033256
Ion Ratio Lower Upper
43 100
58 57.6 28.8 86.5



#60
Dibromochloromethane
Concen: 57.250 ug/l
RT: 8.45 min Scan# 2290
Delta R.T. -0.00 min
Lab File: VU034480.D
Acq: 11 Sep 2019 17:09

Tgt Ion: 129 Resp: 223547
Ion Ratio Lower Upper
129 100
127 77.5 37.9 113.7

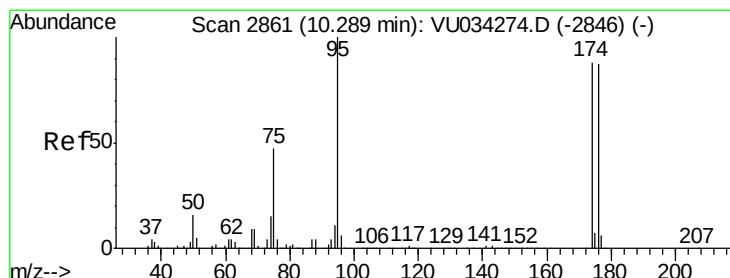
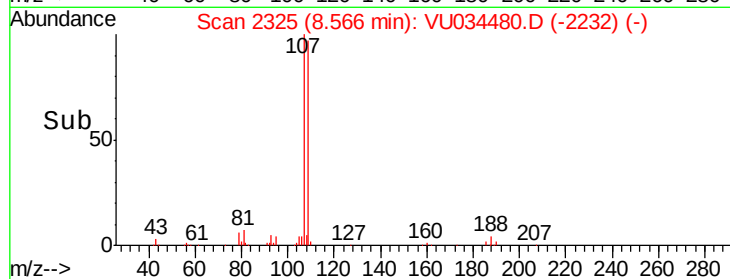
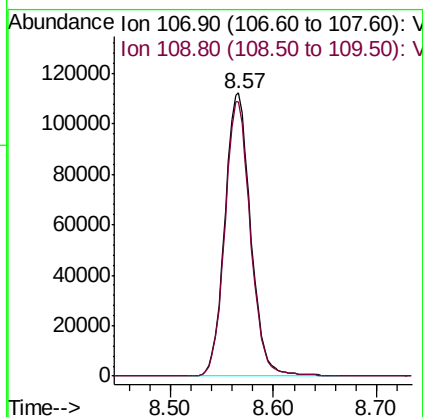
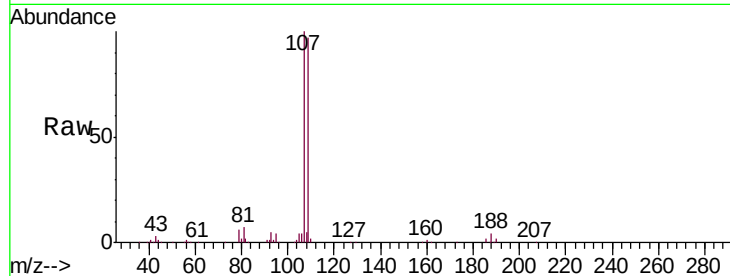




#61
 1,2-Dibromoethane
 Concen: 55.036 ug/l
 RT: 8.57 min Scan# 2325
 Delta R.T. 0.00 min
 Lab File: VU034480.D
 Acq: 11 Sep 2019 17:09

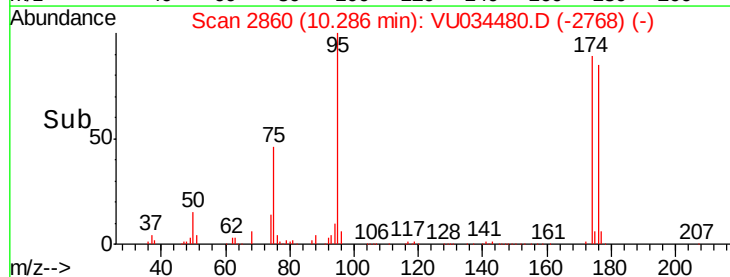
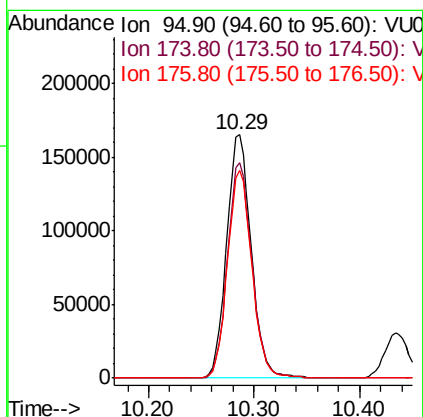
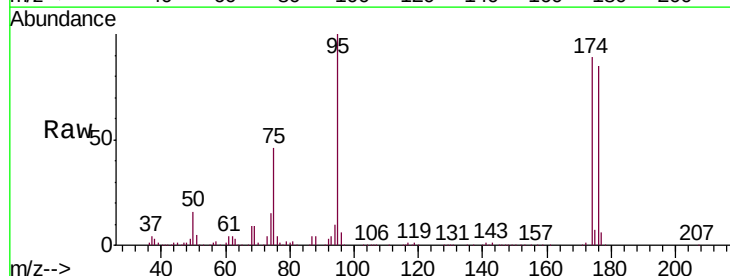
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

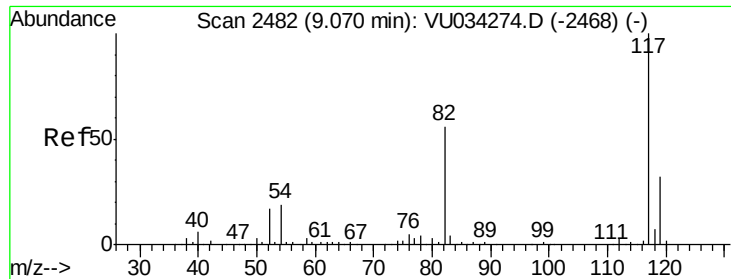
Tgt Ion: 107 Resp: 196101
 Ion Ratio Lower Upper
 107 100
 109 96.0 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 53.831 ug/l
 RT: 10.29 min Scan# 2860
 Delta R.T. -0.00 min
 Lab File: VU034480.D
 Acq: 11 Sep 2019 17:09

Tgt Ion: 95 Resp: 265359
 Ion Ratio Lower Upper
 95 100
 174 88.2 0.0 175.2
 176 84.8 0.0 168.0

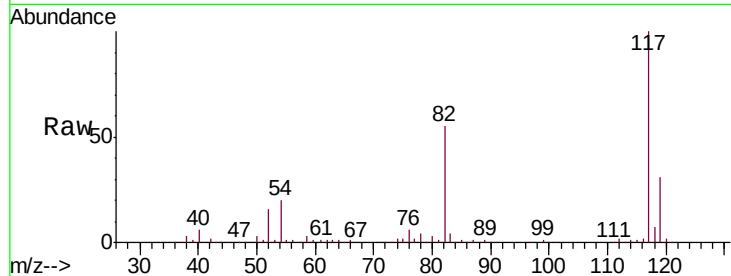




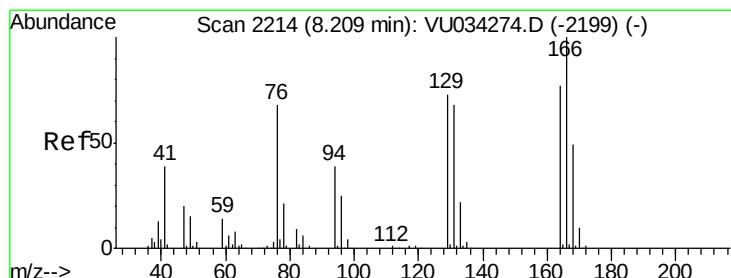
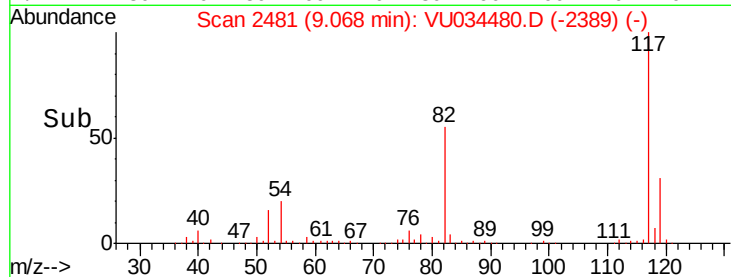
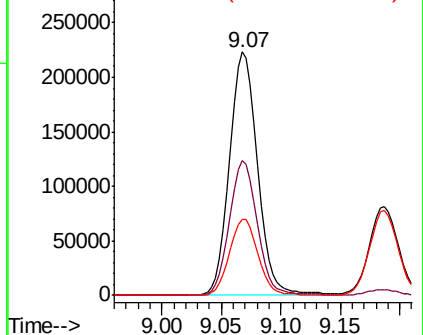
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2481
Delta R.T. -0.00 min
Lab File: VU034480.D
Acq: 11 Sep 2019 17:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 367257
Ion Ratio Lower Upper
117 100
82 55.3 44.6 67.0
119 31.3 25.9 38.9



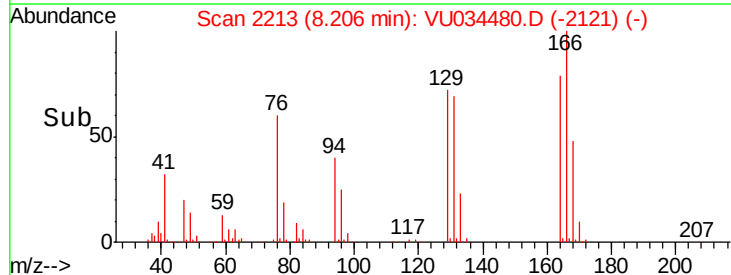
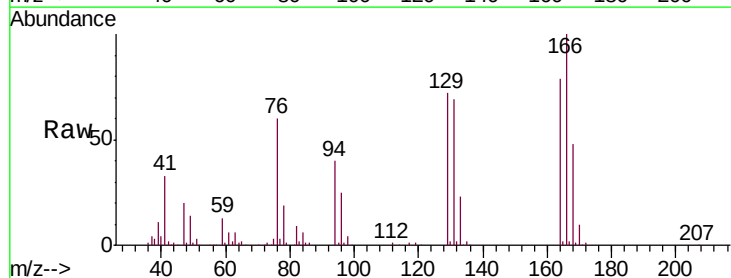
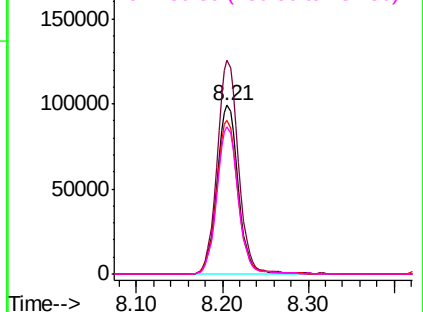
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

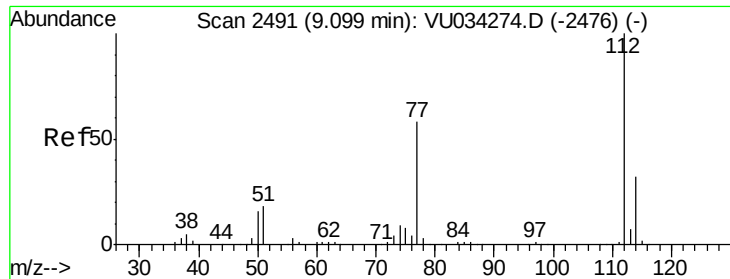


#64
Tetrachloroethene
Concen: 53.971 ug/l
RT: 8.21 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VU034480.D
Acq: 11 Sep 2019 17:09

Tgt Ion:164 Resp: 171960
Ion Ratio Lower Upper
164 100
166 126.7 103.7 155.5
129 91.2 75.8 113.8
131 87.7 70.7 106.1

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

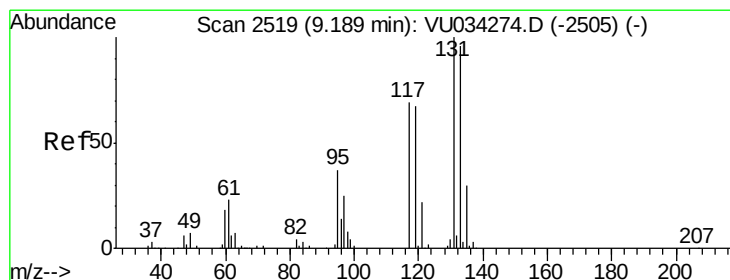
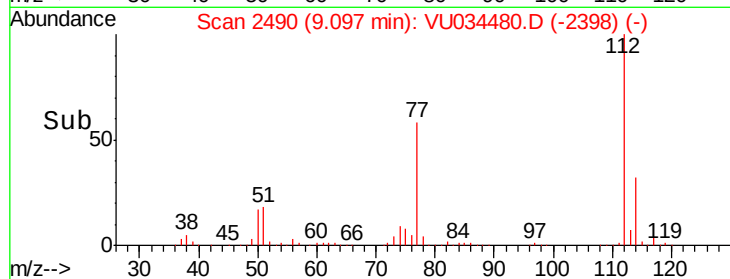
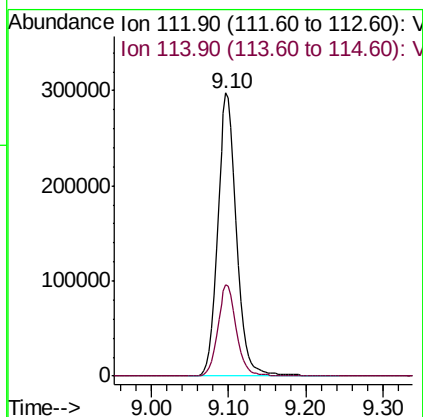
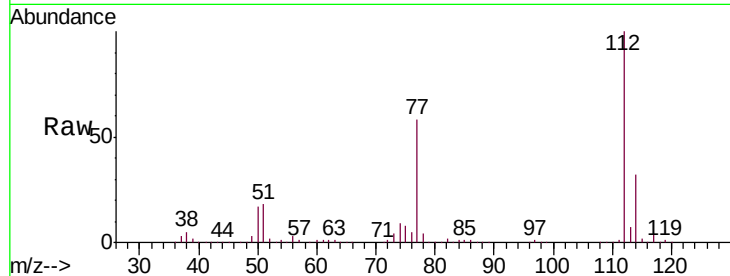




#65
Chlorobenzene
Concen: 54.550 ug/l
RT: 9.10 min Scan# 2490
Delta R.T. -0.00 min
Lab File: VU034480.D
Acq: 11 Sep 2019 17:09

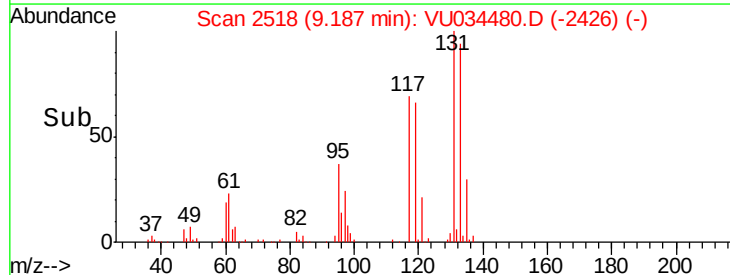
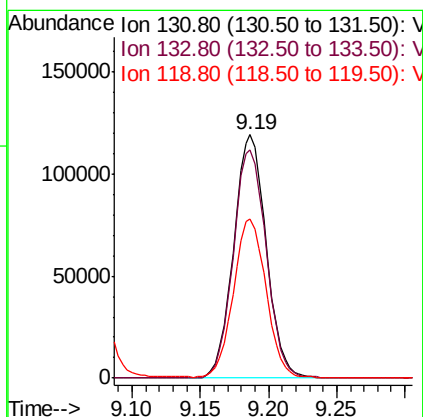
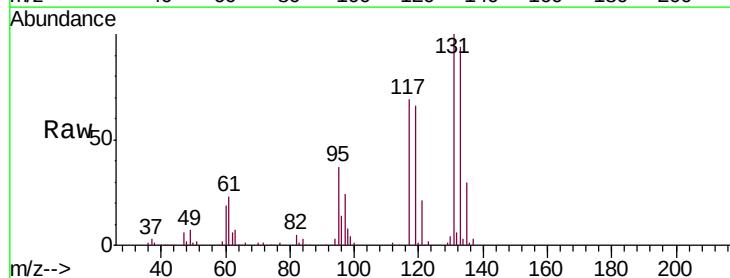
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

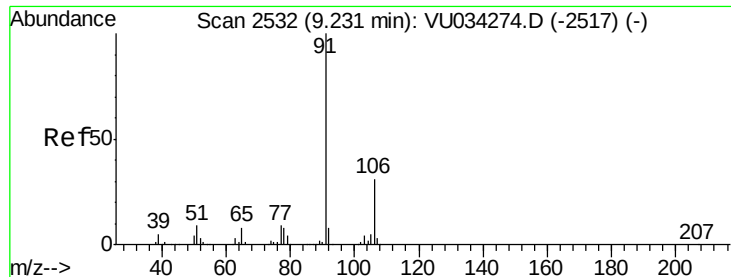
Tgt Ion:112 Resp: 508266
Ion Ratio Lower Upper
112 100
114 32.4 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 55.607 ug/l
RT: 9.19 min Scan# 2518
Delta R.T. -0.00 min
Lab File: VU034480.D
Acq: 11 Sep 2019 17:09

Tgt Ion:131 Resp: 197730
Ion Ratio Lower Upper
131 100
133 95.5 47.9 143.7
119 66.0 33.1 99.5

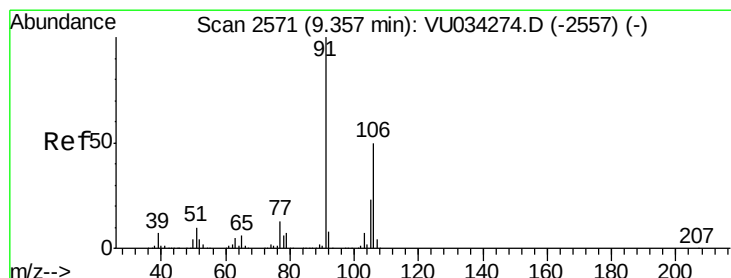
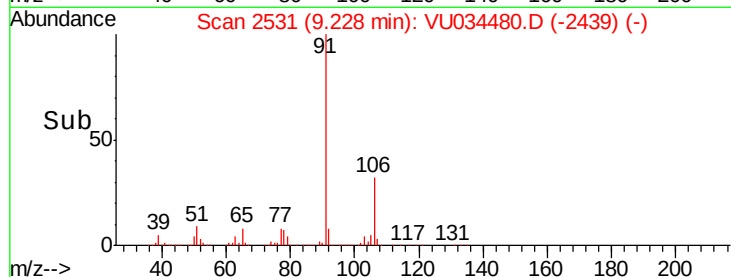
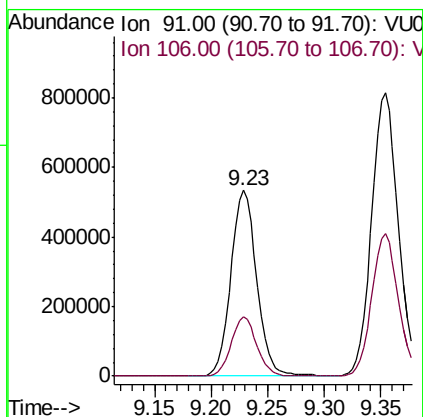
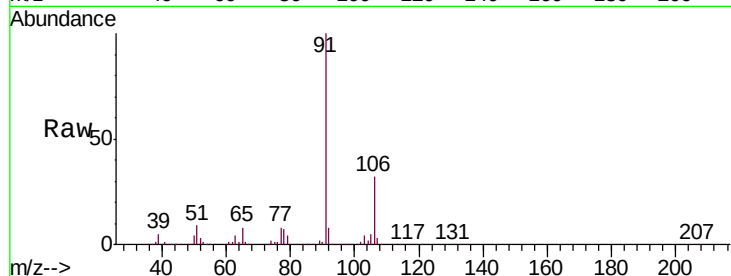




#67
Ethyl Benzene
Concen: 55.975 ug/l
RT: 9.23 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU034480.D
Acq: 11 Sep 2019 17:09

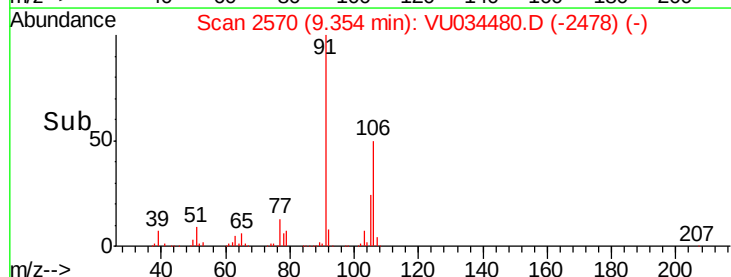
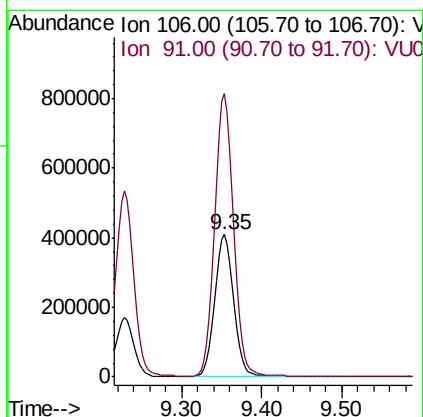
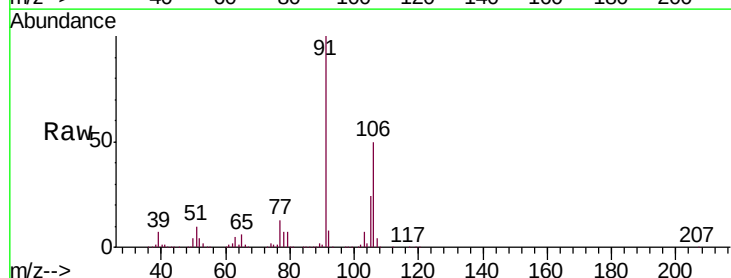
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

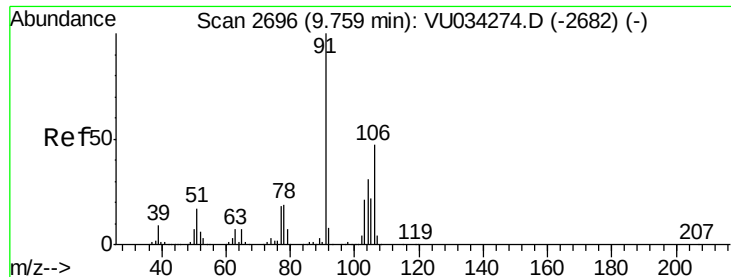
Tgt Ion: 91 Resp: 852763
Ion Ratio Lower Upper
91 100
106 32.0 24.8 37.2



#68
m/p-Xylenes
Concen: 117.301 ug/l
RT: 9.35 min Scan# 2570
Delta R.T. -0.00 min
Lab File: VU034480.D
Acq: 11 Sep 2019 17:09

Tgt Ion: 106 Resp: 672925
Ion Ratio Lower Upper
106 100
91 199.5 160.1 240.1

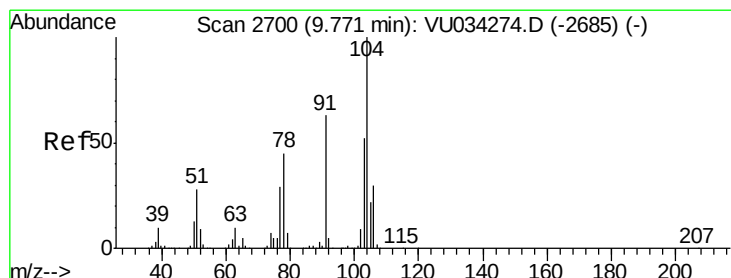
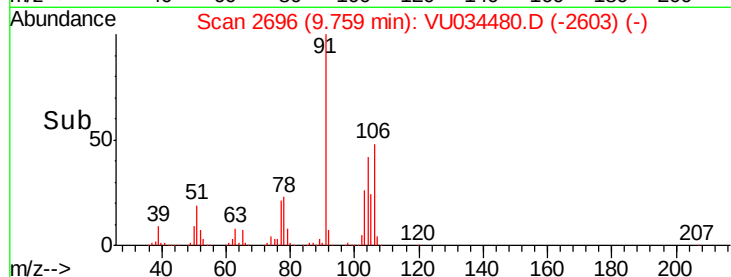
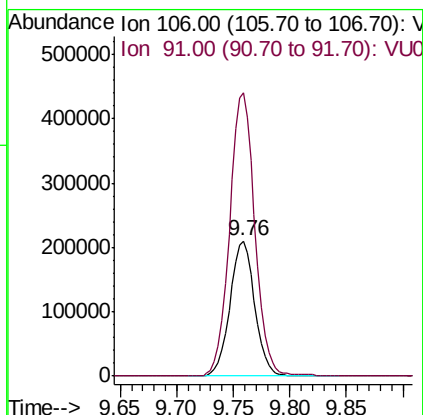
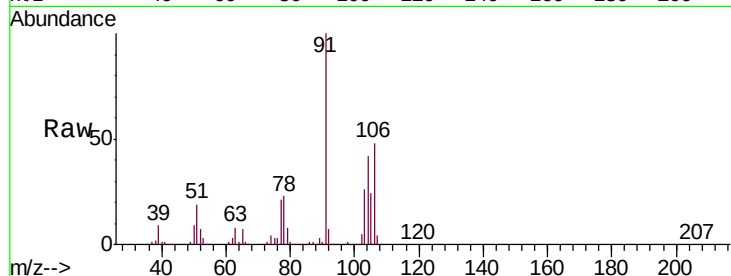




#69
o-Xylene
Concen: 57.271 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. 0.00 min
Lab File: VU034480.D
Acq: 11 Sep 2019 17:09

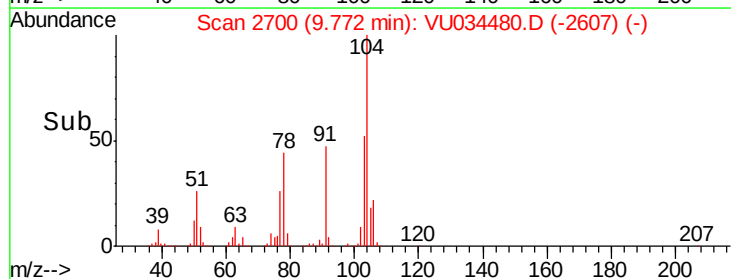
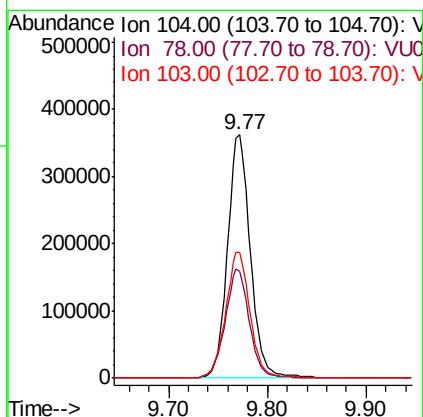
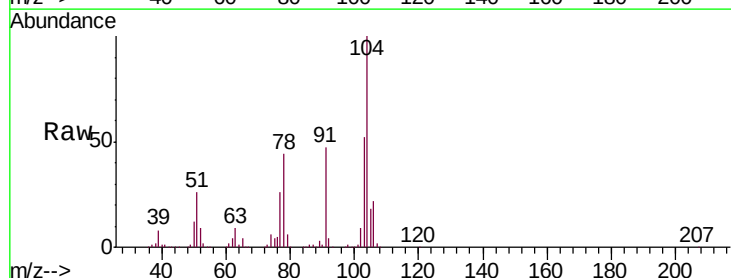
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

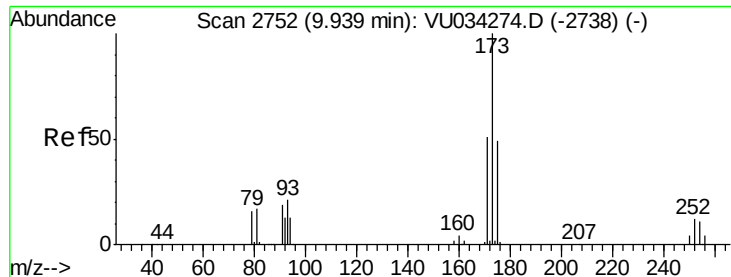
Tgt Ion:106 Resp: 321310
Ion Ratio Lower Upper
106 100
91 212.3 105.1 315.3



#70
Styrene
Concen: 59.922 ug/l
RT: 9.77 min Scan# 2700
Delta R.T. 0.00 min
Lab File: VU034480.D
Acq: 11 Sep 2019 17:09

Tgt Ion:104 Resp: 589415
Ion Ratio Lower Upper
104 100
78 47.8 38.6 57.8
103 55.2 44.2 66.4





#71

Bromoform

Concen: 56.029 ug/l

RT: 9.94 min Scan# 2751

Delta R.T. -0.00 min

Lab File: VU034480.D

Acq: 11 Sep 2019 17:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

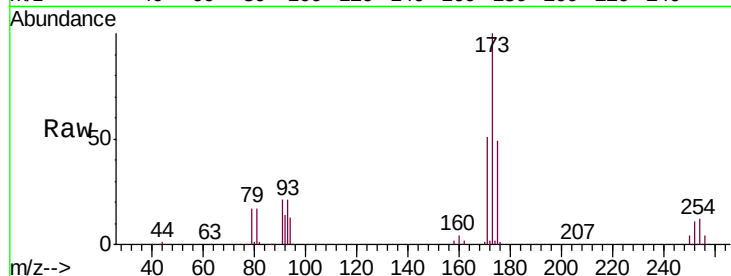
Tgt Ion:173 Resp: 172666

Ion Ratio Lower Upper

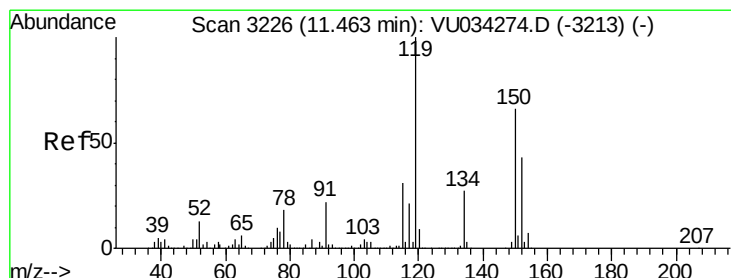
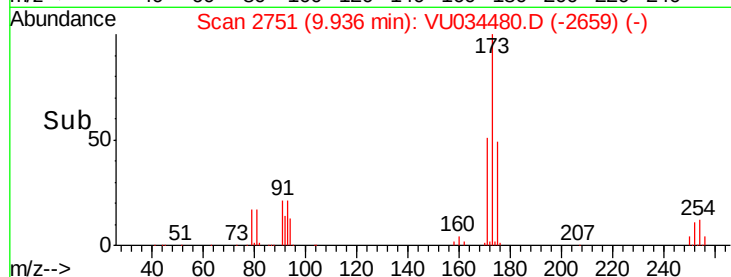
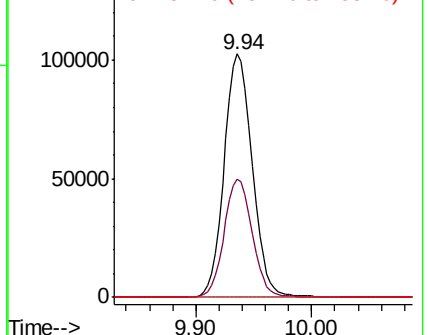
173 100

175 48.6 24.4 73.2

254 0.1 0.0 0.0#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.46 min Scan# 3225

Delta R.T. -0.00 min

Lab File: VU034480.D

Acq: 11 Sep 2019 17:09

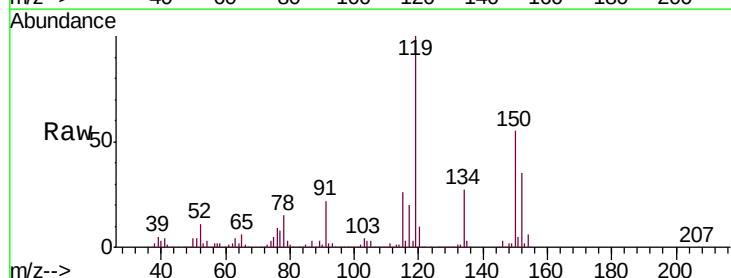
Tgt Ion:152 Resp: 249514

Ion Ratio Lower Upper

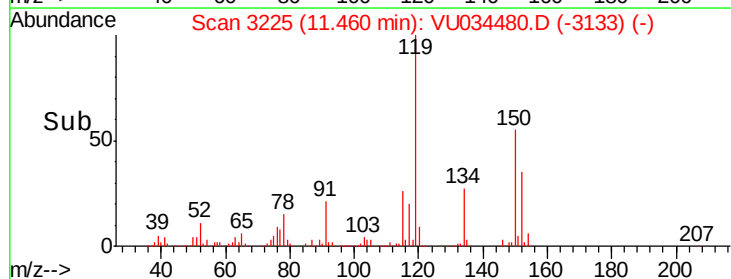
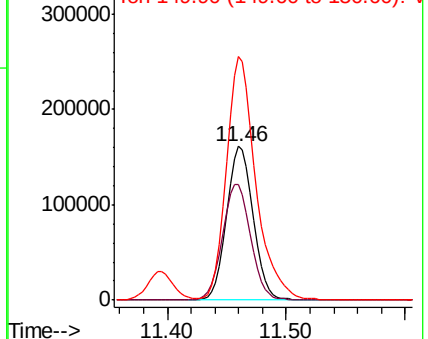
152 100

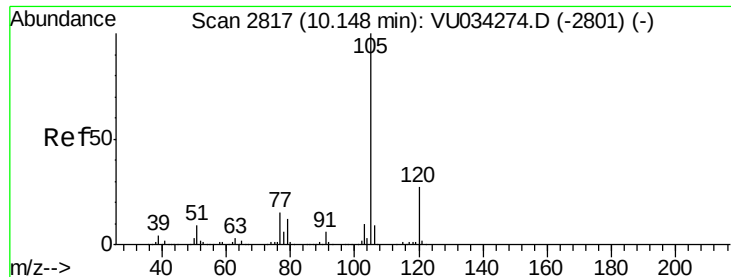
115 79.8 39.1 117.3

150 174.8 0.0 345.4



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

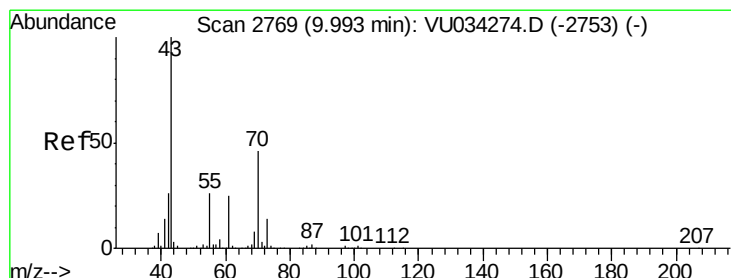
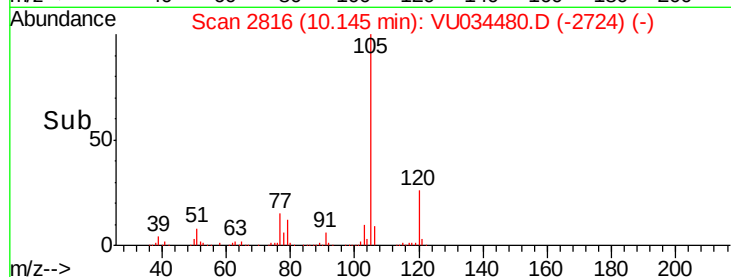
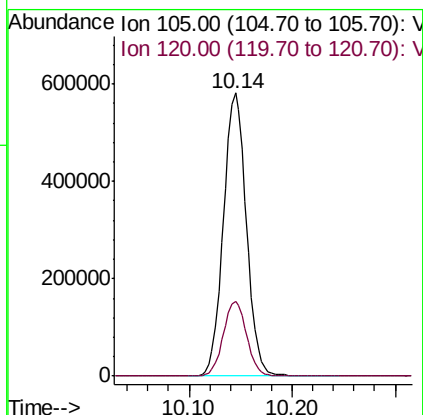
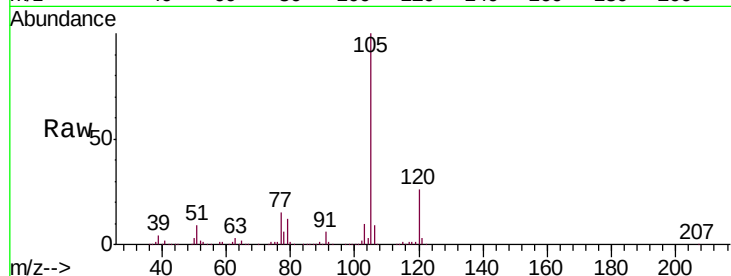




#73
Isopropylbenzene
Concen: 55.584 ug/l
RT: 10.14 min Scan# 2816
Delta R.T. -0.00 min
Lab File: VU034480.D
Acq: 11 Sep 2019 17:09

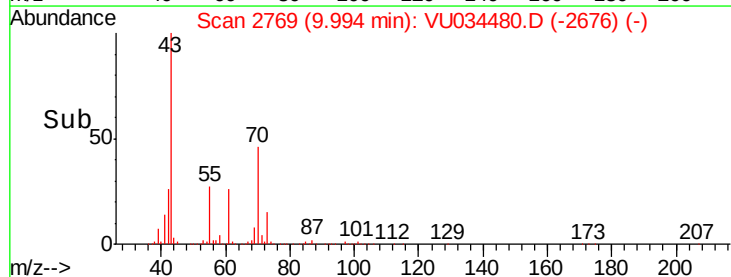
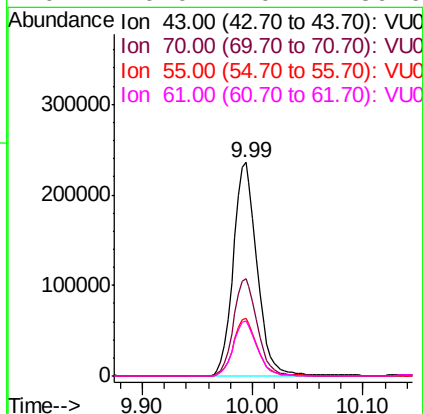
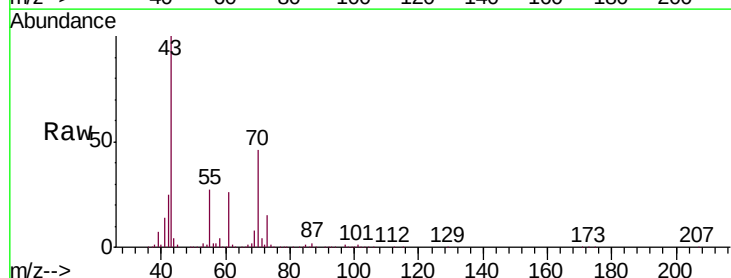
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

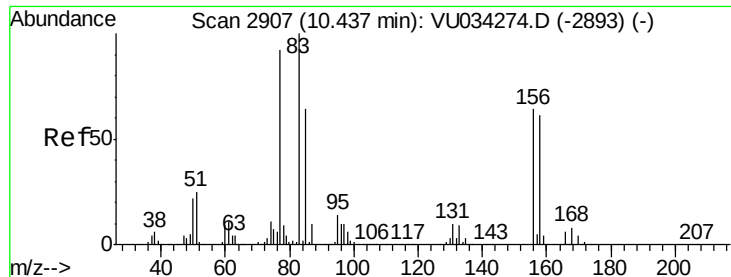
Tgt Ion: 105 Resp: 902566
Ion Ratio Lower Upper
105 100
120 26.8 13.4 40.2



#74
N-ethyl acetate
Concen: 53.907 ug/l
RT: 9.99 min Scan# 2769
Delta R.T. 0.00 min
Lab File: VU034480.D
Acq: 11 Sep 2019 17:09

Tgt Ion: 43 Resp: 352347
Ion Ratio Lower Upper
43 100
70 45.7 36.4 54.6
55 27.0 21.2 31.8
61 26.0 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 51.954 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034480.D

Acq: 11 Sep 2019 17:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

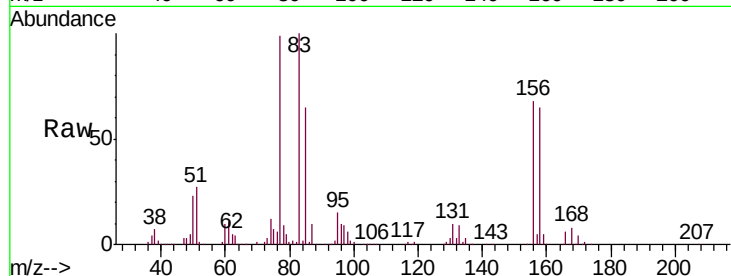
Tgt Ion: 83 Resp: 341474

Ion Ratio Lower Upper

83 100

131 9.9 5.1 15.2

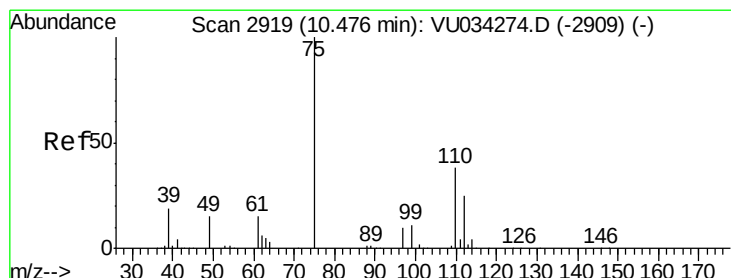
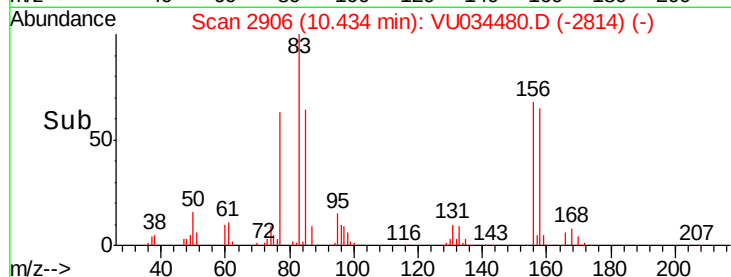
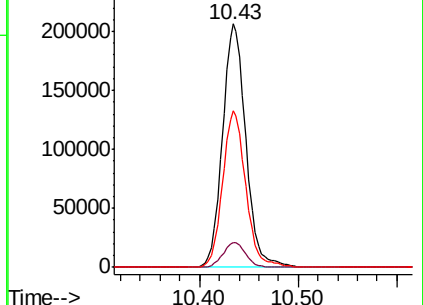
85 64.1 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VU034480.D (-2814) (-)

Ion 130.80 (130.50 to 131.50): VU034480.D (-2814) (-)

Ion 84.90 (84.60 to 85.60): VU034480.D (-2814) (-)



#76

1,2,3-Trichloropropane

Concen: 66.697 ug/l

RT: 10.47 min Scan# 2918

Delta R.T. -0.00 min

Lab File: VU034480.D

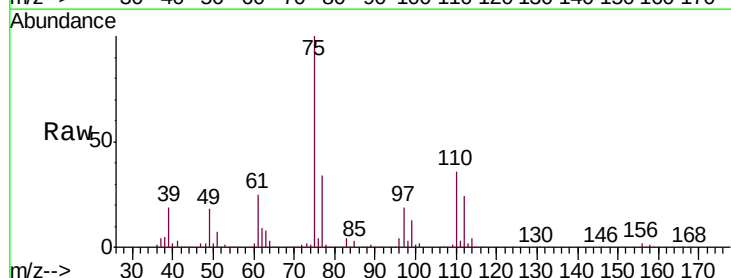
Acq: 11 Sep 2019 17:09

Tgt Ion: 75 Resp: 363260

Ion Ratio Lower Upper

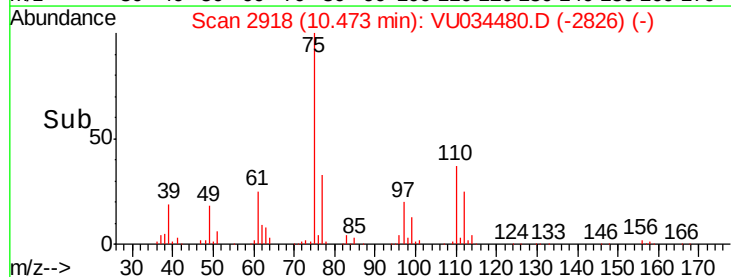
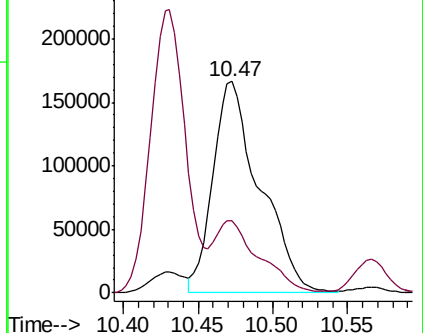
75 100

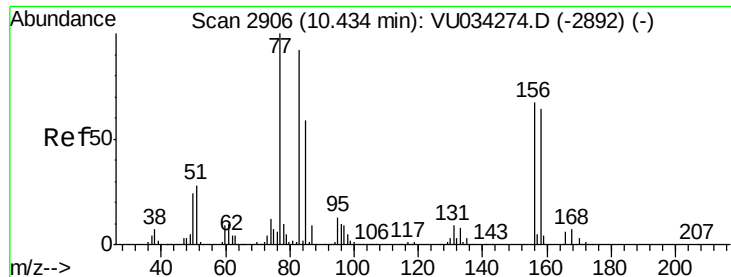
77 31.7 20.8 62.2



Abundance Ion 74.90 (74.60 to 75.60): VU034480.D (-2826) (-)

Ion 77.00 (76.70 to 77.70): VU034480.D (-2826) (-)





#77

Bromobenzene

Concen: 53.993 ug/l

RT: 10.43 min Scan# 2905

Delta R.T. -0.00 min

Lab File: VU034480.D

Acq: 11 Sep 2019 17:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

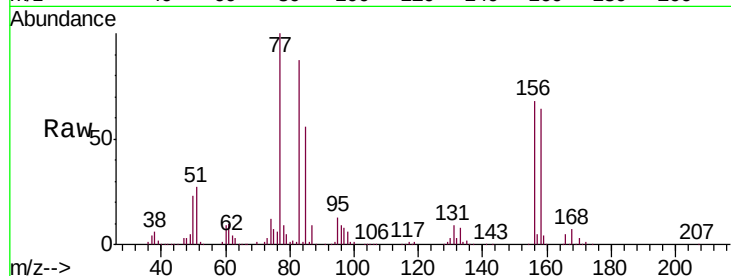
Tgt Ion:156 Resp: 245143

Ion Ratio Lower Upper

156 100

77 149.2 75.6 226.9

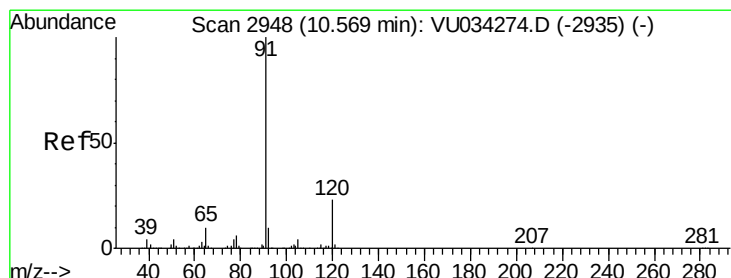
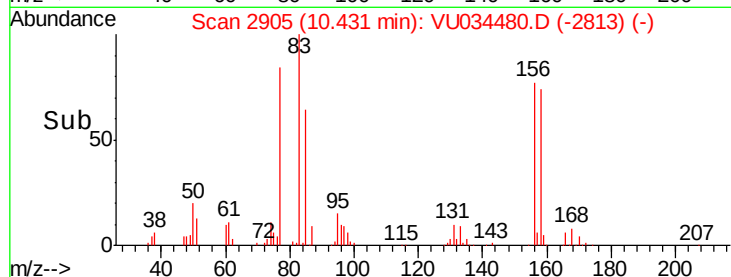
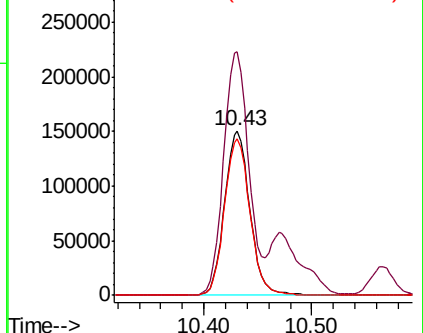
158 96.9 48.2 144.6



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: 56.357 ug/l

RT: 10.57 min Scan# 2947

Delta R.T. -0.00 min

Lab File: VU034480.D

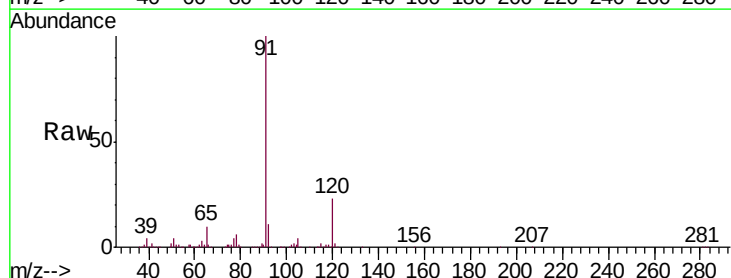
Acq: 11 Sep 2019 17:09

Tgt Ion: 91 Resp: 1056863

Ion Ratio Lower Upper

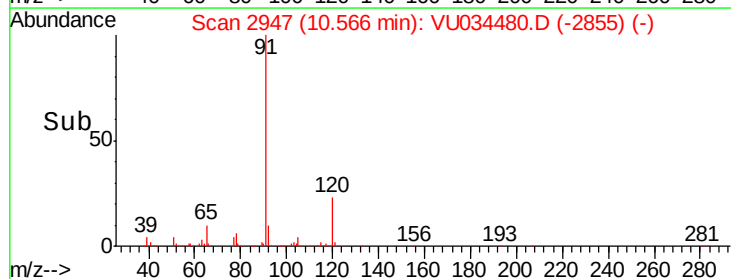
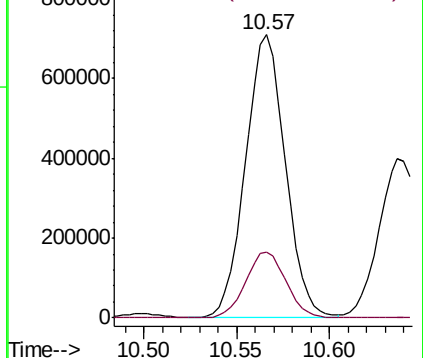
91 100

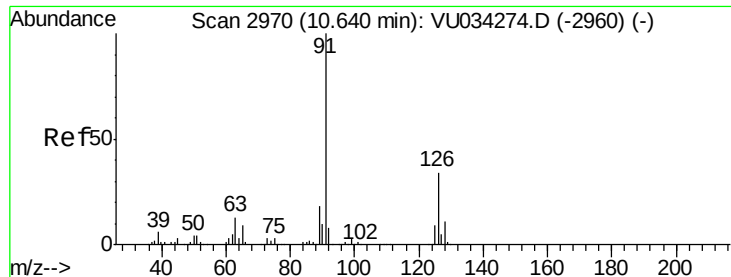
120 23.6 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 55.399 ug/l

RT: 10.64 min Scan# 2969

Delta R.T. -0.00 min

Lab File: VU034480.D

Acq: 11 Sep 2019 17:09

Instrument :

MSVOA_U

ClientSampleId :

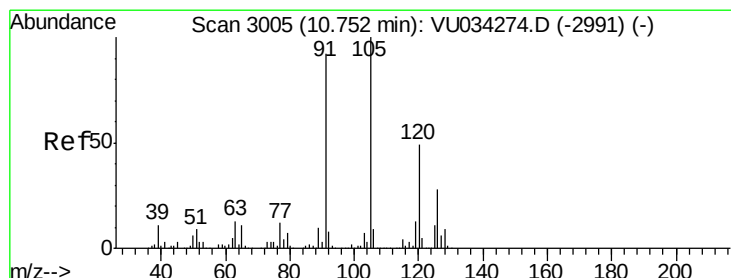
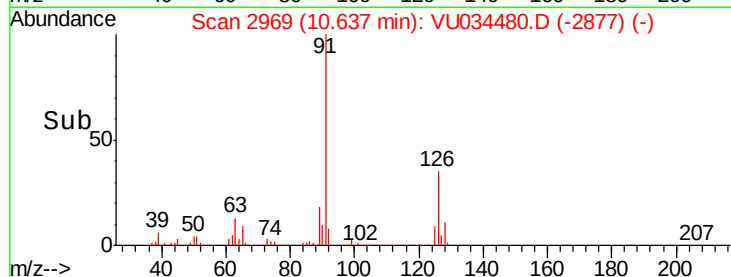
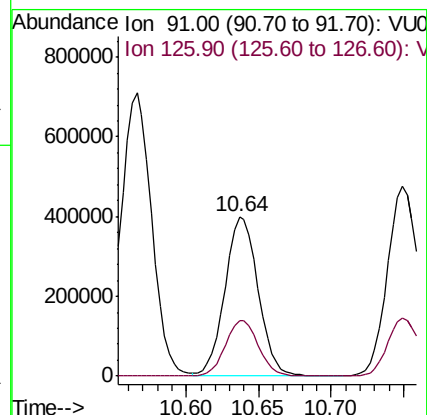
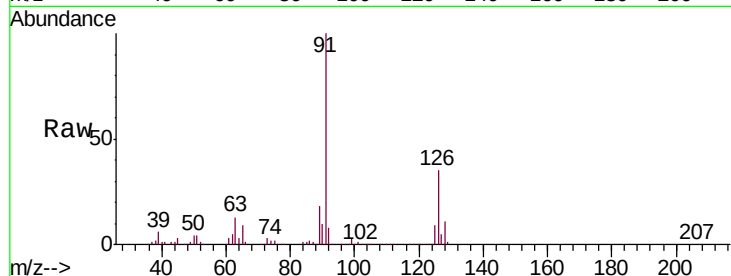
VSTDCCC050

Tgt Ion: 91 Resp: 633892

Ion Ratio Lower Upper

91 100

126 35.0 17.3 51.9



#80

1,3,5-Trimethylbenzene

Concen: 58.359 ug/l

RT: 10.75 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VU034480.D

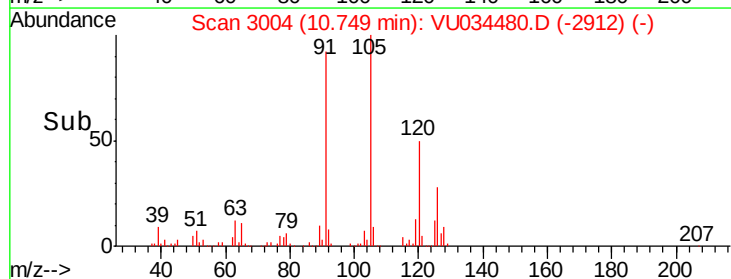
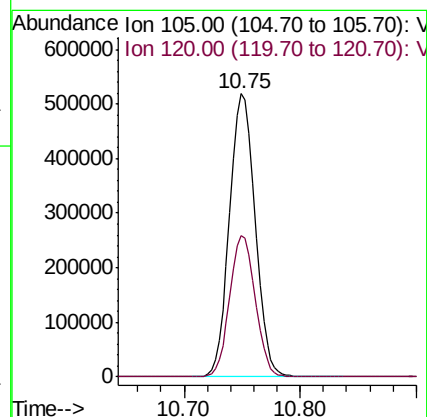
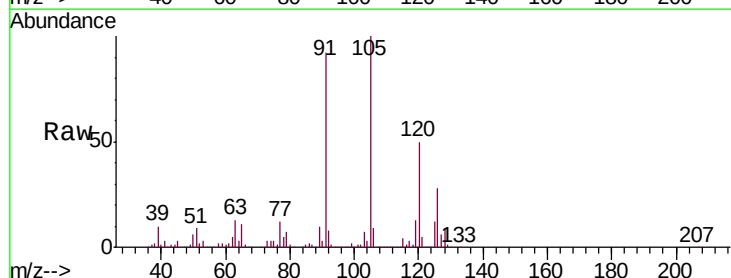
Acq: 11 Sep 2019 17:09

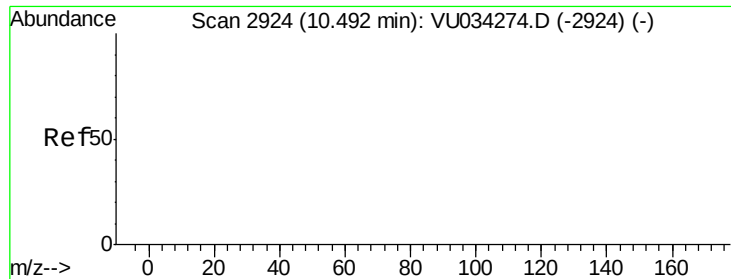
Tgt Ion: 105 Resp: 792528

Ion Ratio Lower Upper

105 100

120 49.6 24.9 74.7

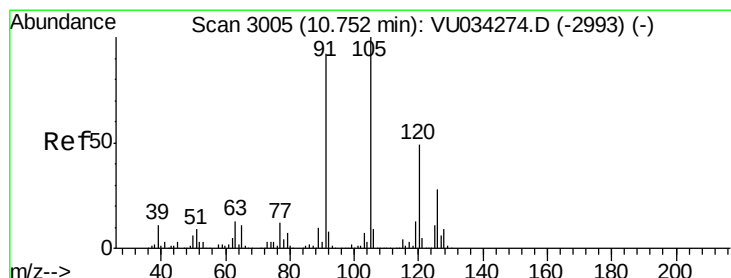
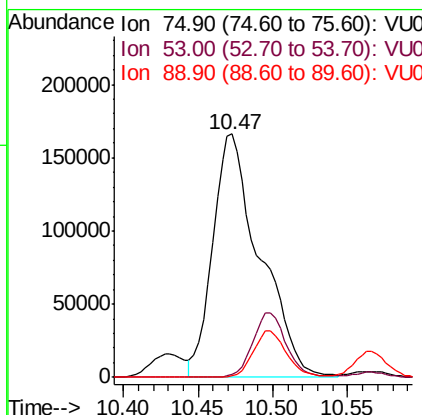
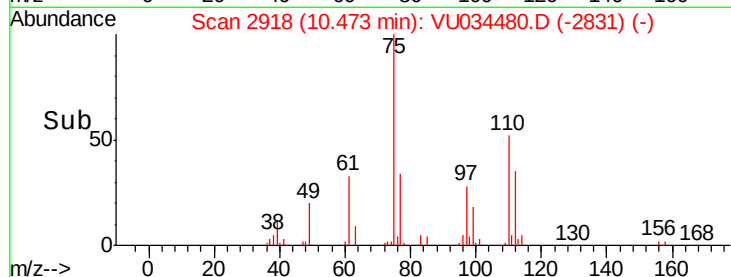
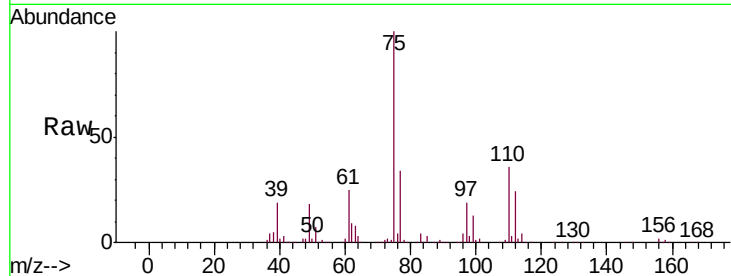




#81
trans-1,4-Dichloro-2-butene
Concen: 224.297 ug/l
RT: 10.47 min Scan# 2918
Delta R.T. -0.02 min
Lab File: VU034480.D
Acq: 11 Sep 2019 17:09

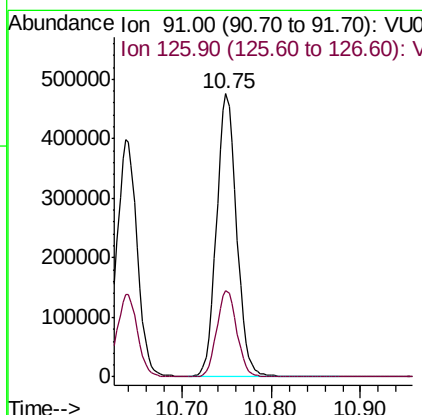
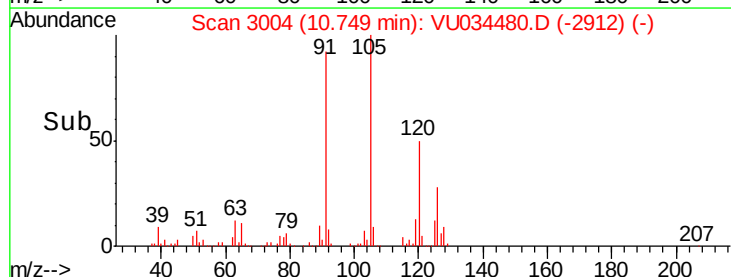
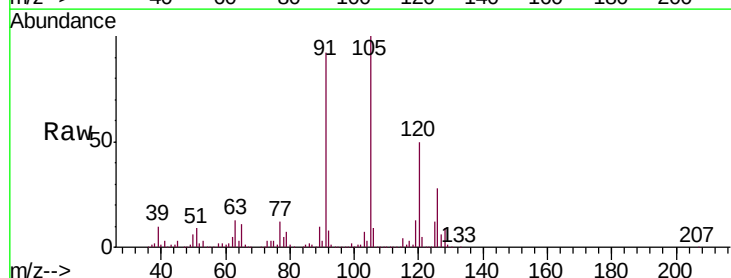
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

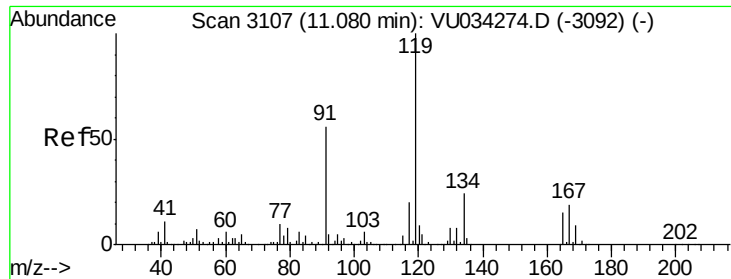
Tgt Ion: 75 Resp: 363260
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 56.110 ug/l
RT: 10.75 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VU034480.D
Acq: 11 Sep 2019 17:09

Tgt Ion: 91 Resp: 738844
Ion Ratio Lower Upper
91 100
126 30.6 15.3 45.8

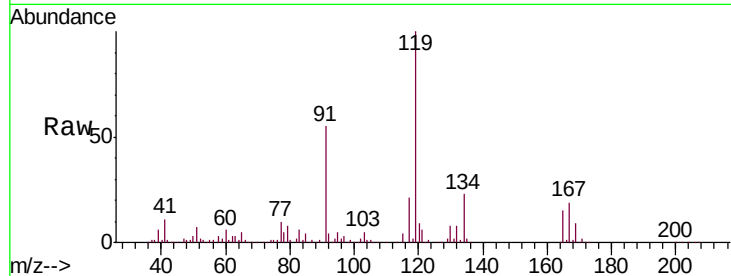




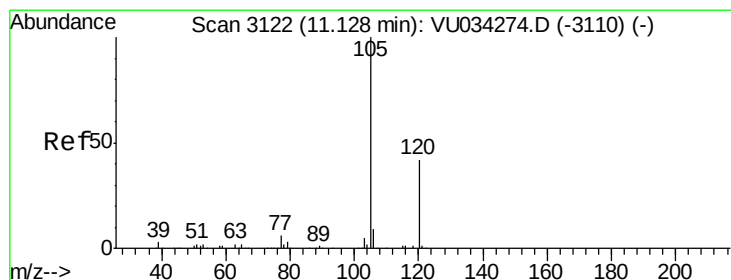
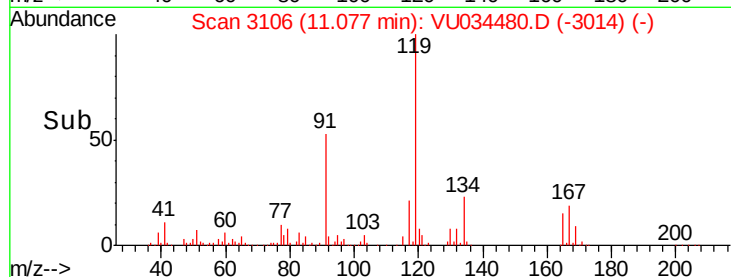
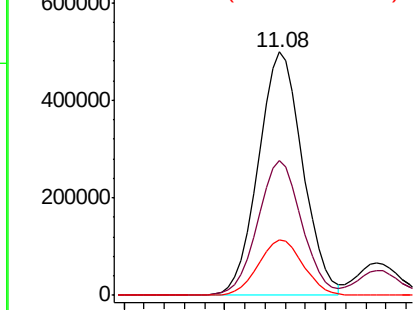
#83
 tert-Butylbenzene
 Concen: 56.130 ug/l
 RT: 11.08 min Scan# 3106
 Delta R.T. -0.00 min
 Lab File: VU034480.D
 Acq: 11 Sep 2019 17:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion:119 Resp: 762552
 Ion Ratio Lower Upper
 119 100
 91 55.0 27.8 83.4
 134 23.2 11.7 35.0

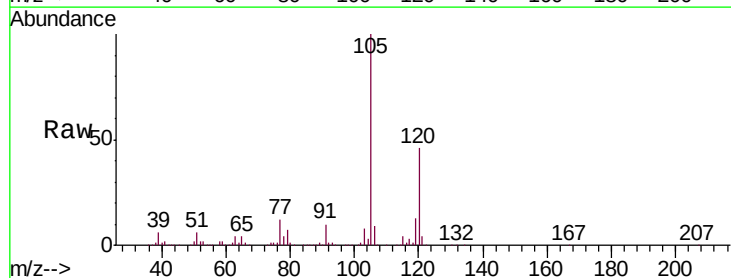


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

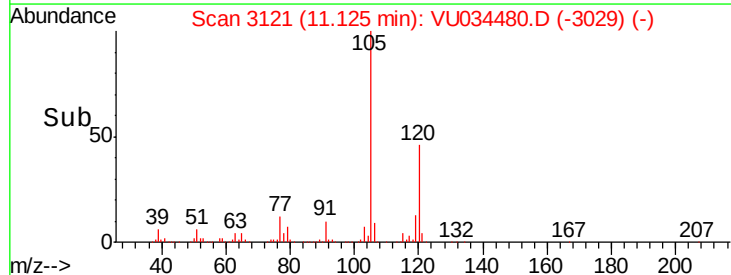
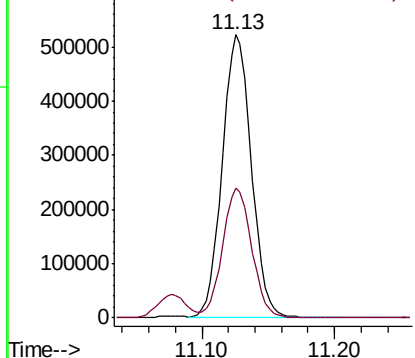


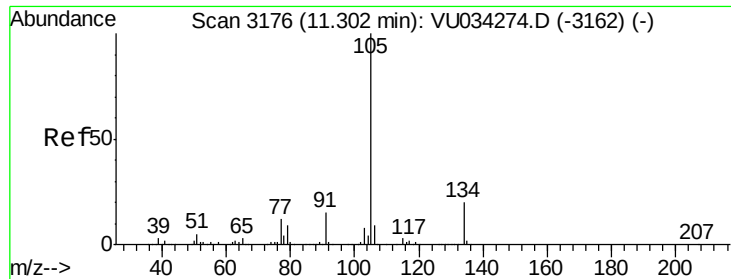
#84
 1,2,4-Trimethylbenzene
 Concen: 58.001 ug/l
 RT: 11.13 min Scan# 3121
 Delta R.T. -0.00 min
 Lab File: VU034480.D
 Acq: 11 Sep 2019 17:09

Tgt Ion:105 Resp: 792876
 Ion Ratio Lower Upper
 105 100
 120 46.1 22.9 68.8



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





#85

sec-Butylbenzene

Concen: 57.345 ug/l

RT: 11.30 min Scan# 3176

Delta R.T. 0.00 min

Lab File: VU034480.D

Acq: 11 Sep 2019 17:09

Instrument :

MSVOA_U

ClientSampleId :

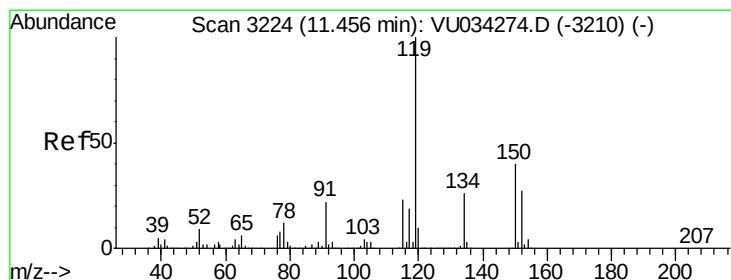
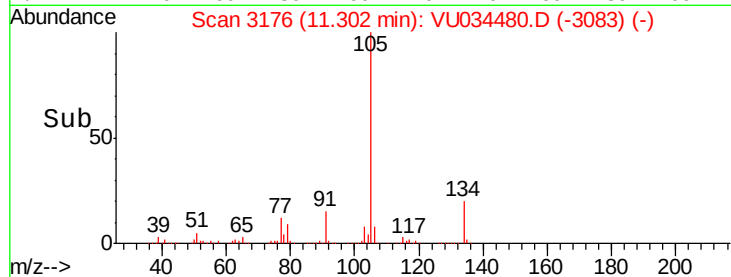
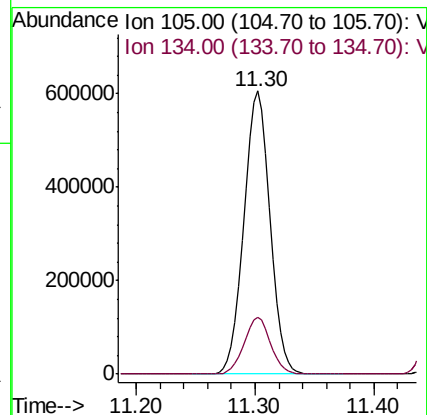
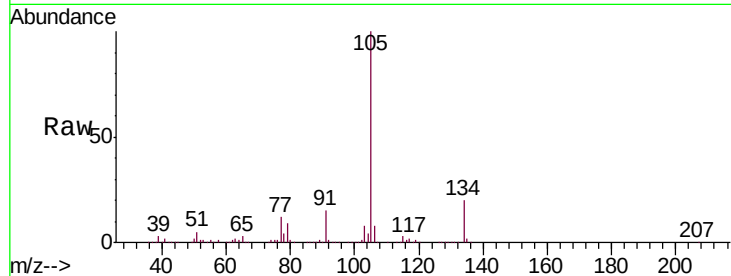
VSTDCCC050

Tgt Ion:105 Resp: 919730

Ion Ratio Lower Upper

105 100

134 20.3 10.1 30.3



#86

p-Isopropyltoluene

Concen: 57.910 ug/l

RT: 11.45 min Scan# 3223

Delta R.T. -0.00 min

Lab File: VU034480.D

Acq: 11 Sep 2019 17:09

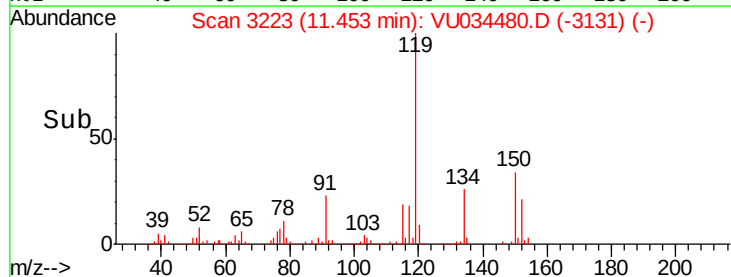
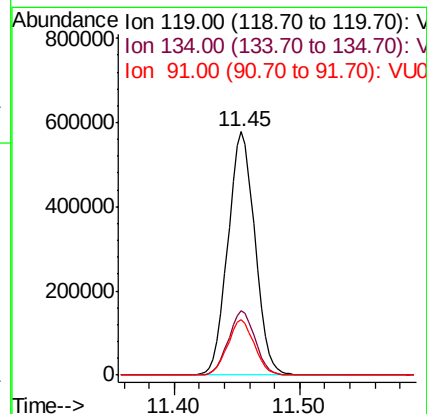
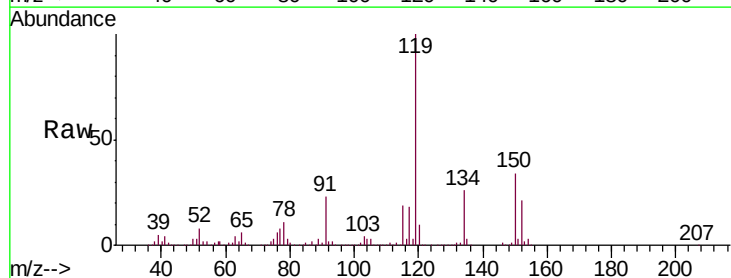
Tgt Ion:119 Resp: 857268

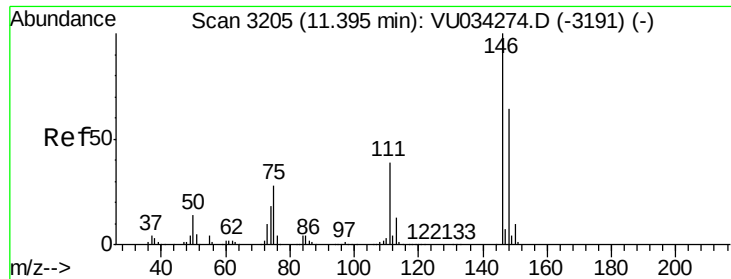
Ion Ratio Lower Upper

119 100

134 26.1 13.3 39.8

91 22.3 11.2 33.6

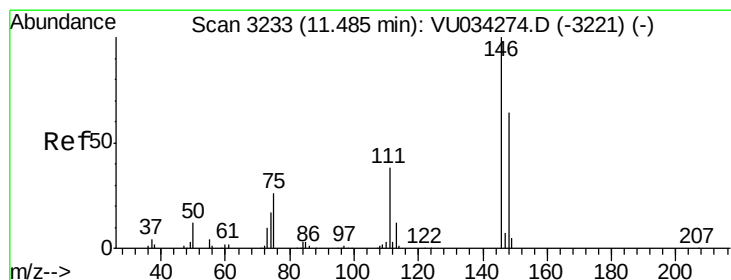
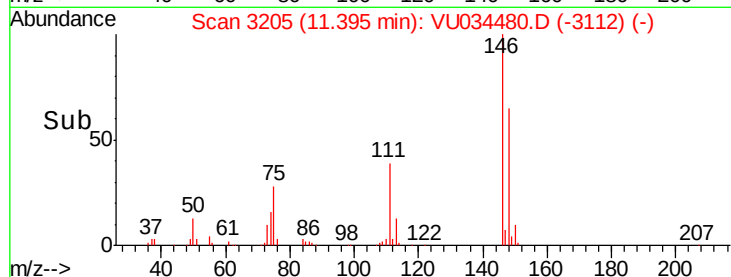
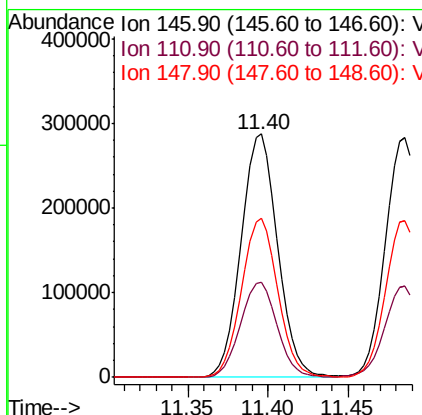
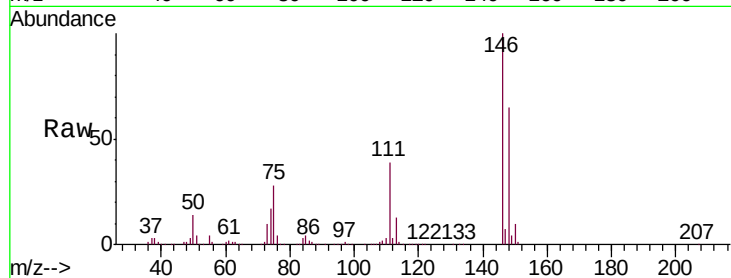




#87
 1,3-Dichlorobenzene
 Concen: 53.893 ug/l
 RT: 11.40 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU034480.D
 Acq: 11 Sep 2019 17:09

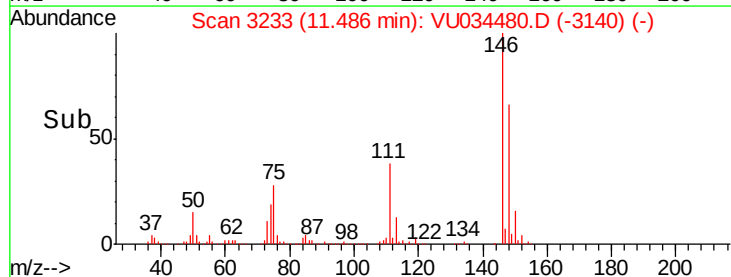
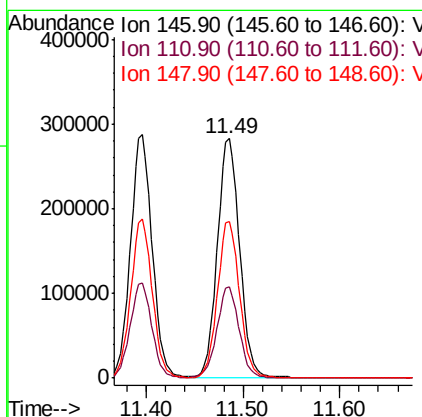
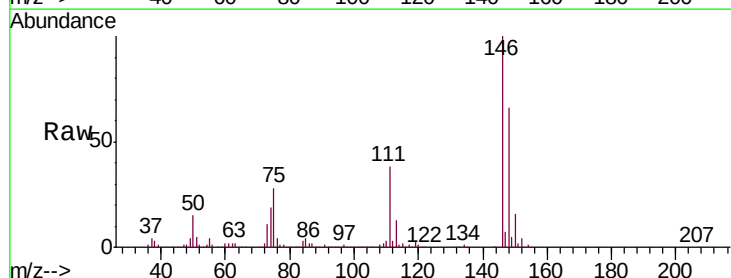
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

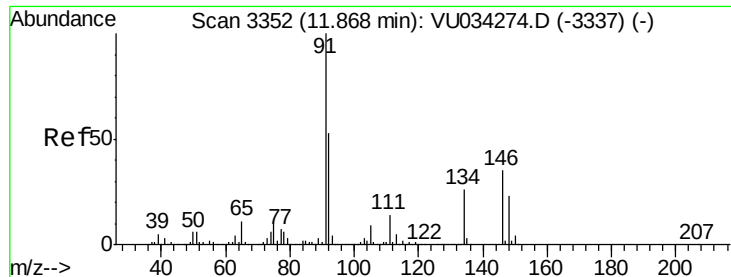
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.5	58.5
148	64.9	32.1	96.3



#88
 1,4-Dichlorobenzene
 Concen: 52.439 ug/l
 RT: 11.49 min Scan# 3233
 Delta R.T. 0.00 min
 Lab File: VU034480.D
 Acq: 11 Sep 2019 17:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.1	57.3
148	64.3	32.0	96.0





#89

n-Butylbenzene

Concen: 58.035 ug/l

RT: 11.87 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VU034480.D

Acq: 11 Sep 2019 17:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

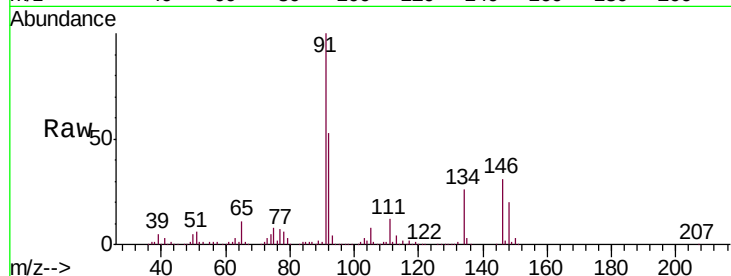
Tgt Ion: 91 Resp: 746592

Ion Ratio Lower Upper

91 100

92 52.7 26.5 79.4

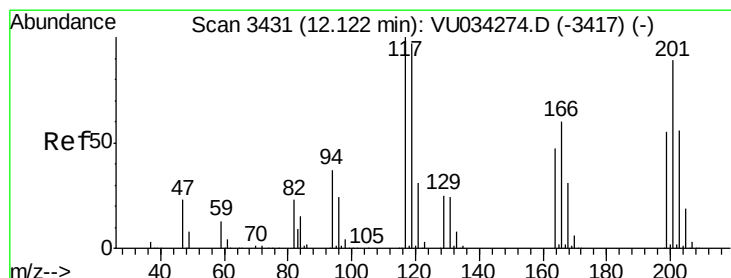
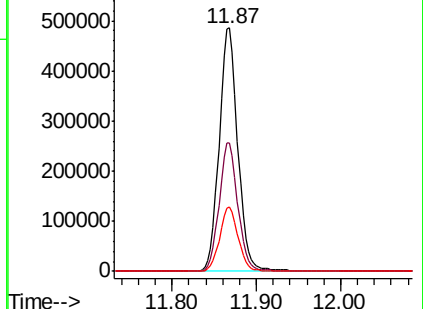
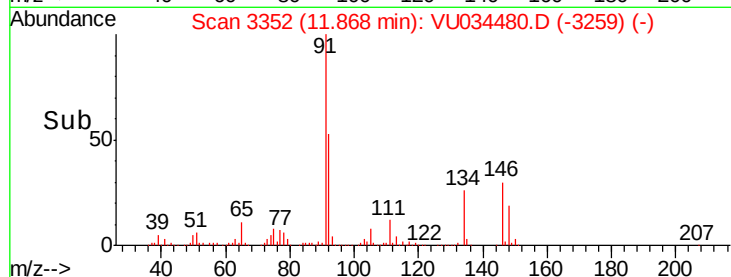
134 26.3 13.2 39.6



Abundance Ion 91.00 (90.70 to 91.70): VU034480.D (-3259) (-)

Ion 92.00 (91.70 to 92.70): VU034480.D (-3259) (-)

Ion 134.00 (133.70 to 134.70): VU034480.D (-3259) (-)



#90

Hexachloroethane

Concen: 54.766 ug/l

RT: 12.12 min Scan# 3431

Delta R.T. 0.00 min

Lab File: VU034480.D

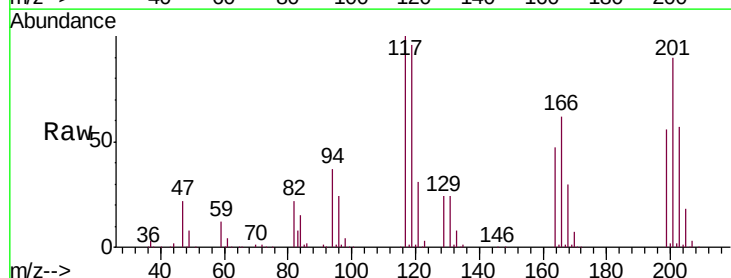
Acq: 11 Sep 2019 17:09

Tgt Ion: 117 Resp: 129707

Ion Ratio Lower Upper

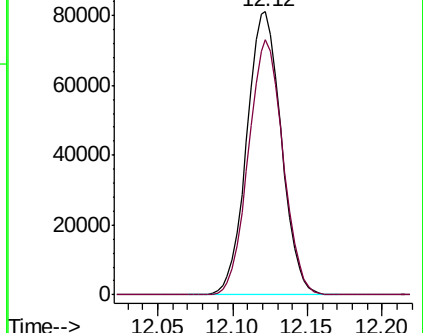
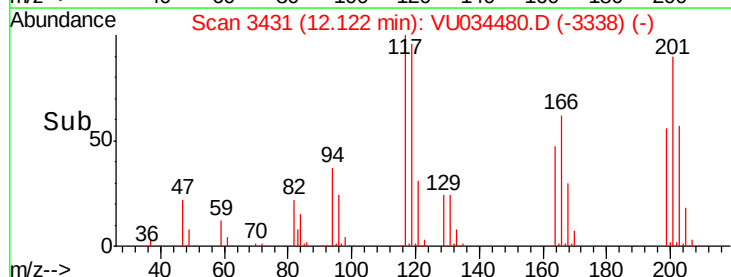
117 100

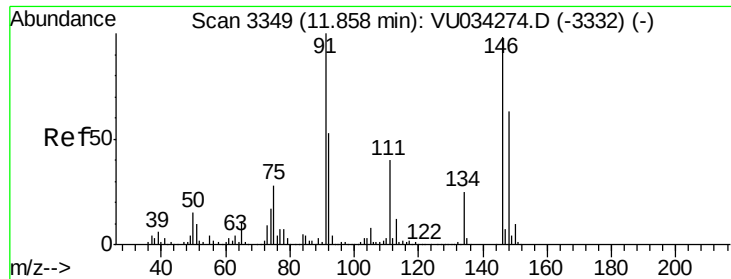
201 90.3 44.1 132.4



Abundance Ion 116.80 (116.50 to 117.50): VU034480.D (-3338) (-)

Ion 200.70 (200.40 to 201.40): VU034480.D (-3338) (-)

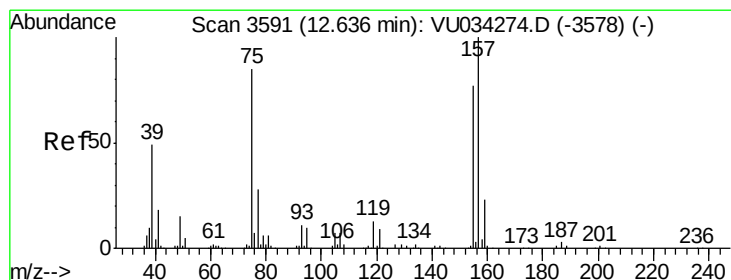
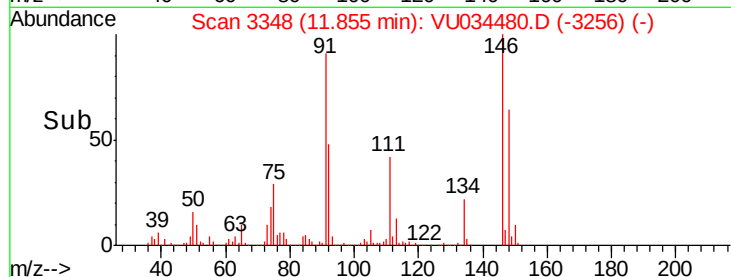
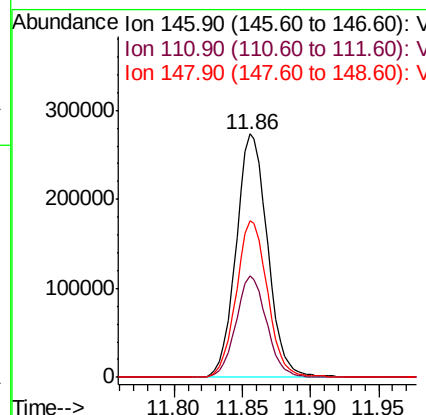
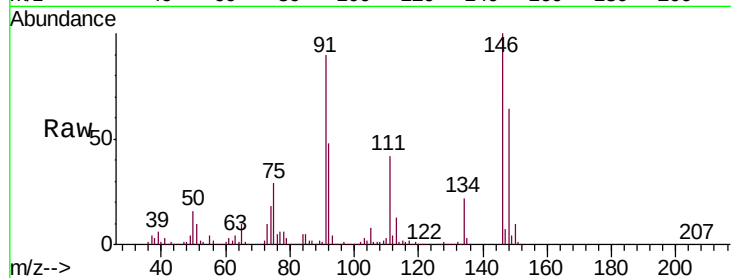




#91
 1,2-Dichlorobenzene
 Concen: 53.593 ug/l
 RT: 11.86 min Scan# 3348
 Delta R.T. -0.00 min
 Lab File: VU034480.D
 Acq: 11 Sep 2019 17:09

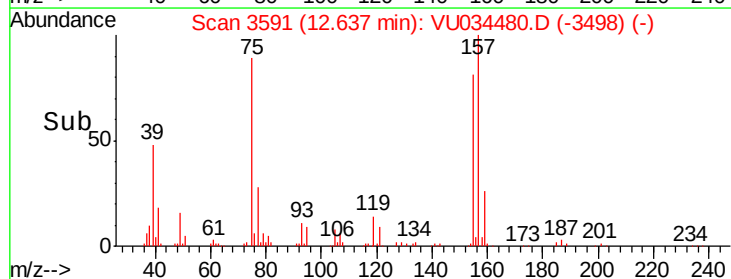
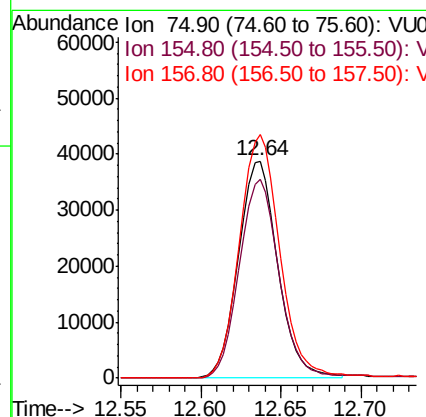
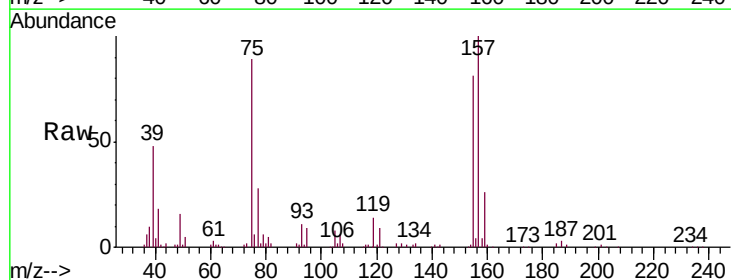
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

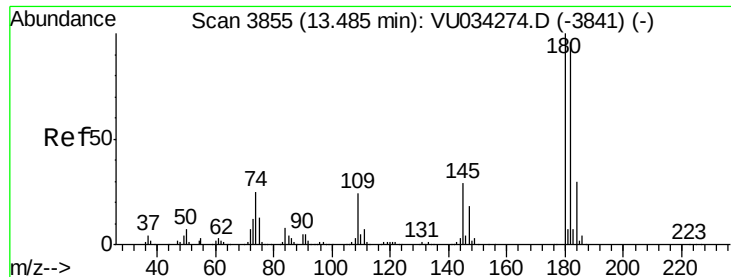
Tgt Ion:146 Resp: 436376
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.0 60.0
 148 64.7 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.874 ug/l
 RT: 12.64 min Scan# 3591
 Delta R.T. 0.00 min
 Lab File: VU034480.D
 Acq: 11 Sep 2019 17:09

Tgt Ion: 75 Resp: 65068
 Ion Ratio Lower Upper
 75 100
 155 92.1 44.6 134.0
 157 115.4 58.2 174.6

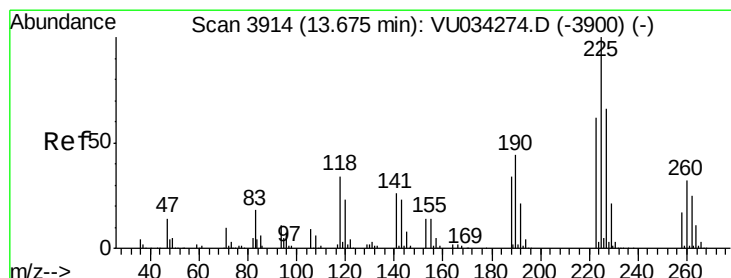
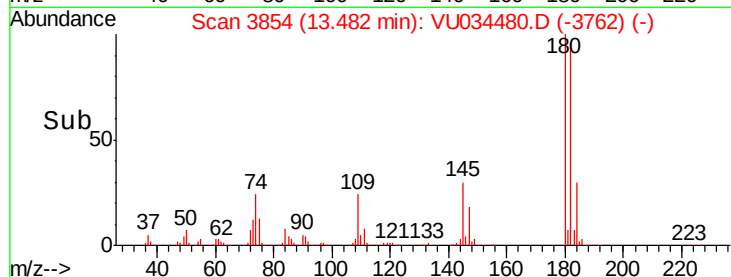
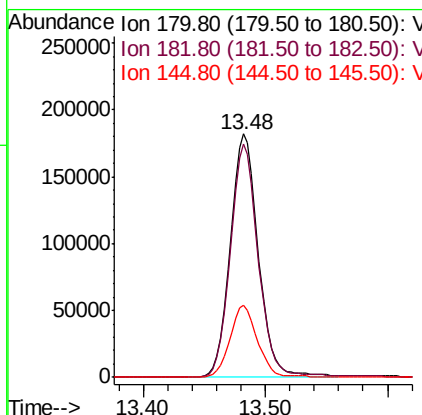
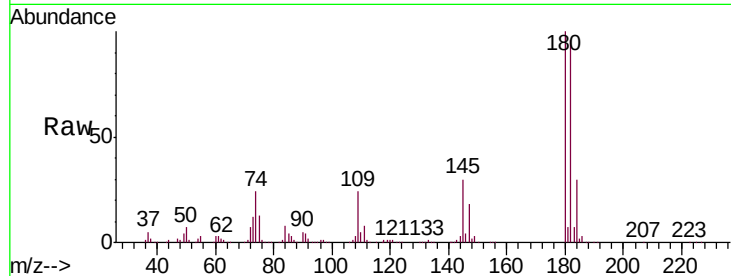




#93
 1,2,4-Trichlorobenzene
 Concen: 49.574 ug/l
 RT: 13.48 min Scan# 3854
 Delta R.T. -0.00 min
 Lab File: VU034480.D
 Acq: 11 Sep 2019 17:09

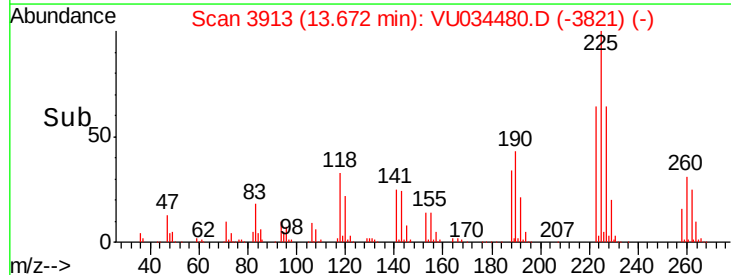
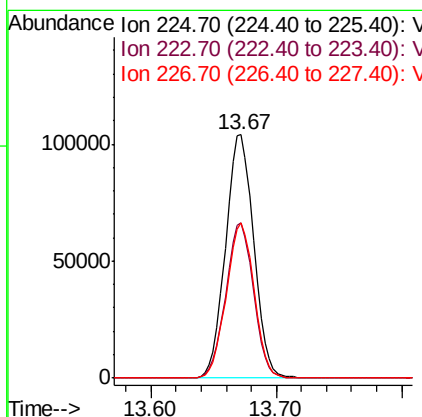
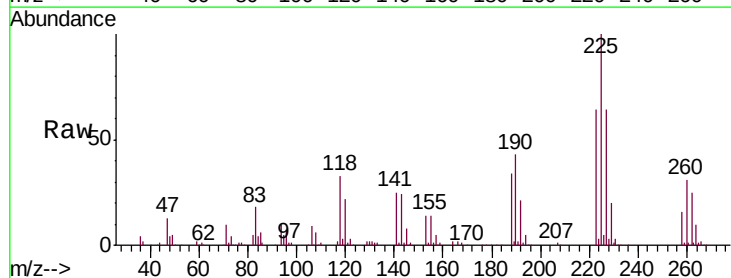
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

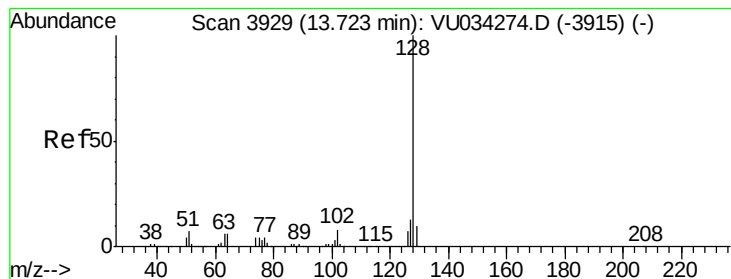
Tgt Ion:180 Resp: 292563
 Ion Ratio Lower Upper
 180 100
 182 95.7 47.9 143.8
 145 29.3 14.4 43.0



#94
 Hexachlorobutadiene
 Concen: 56.950 ug/l
 RT: 13.67 min Scan# 3913
 Delta R.T. -0.00 min
 Lab File: VU034480.D
 Acq: 11 Sep 2019 17:09

Tgt Ion:225 Resp: 162204
 Ion Ratio Lower Upper
 225 100
 223 62.7 31.6 94.7
 227 62.7 32.3 96.8





#95

Naphthalene

Concen: 46.078 ug/l

RT: 13.72 min Scan# 3928

Delta R.T. -0.00 min

Lab File: VU034480.D

Acq: 11 Sep 2019 17:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

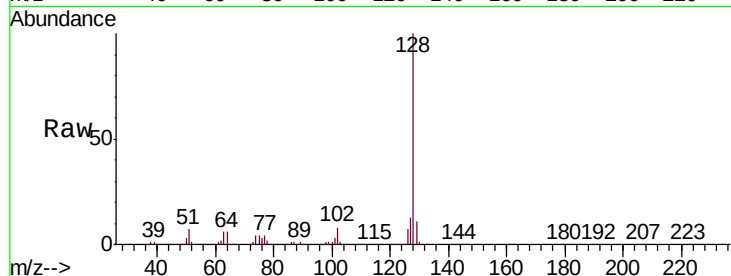
Tgt Ion:128 Resp: 760635

Ion Ratio Lower Upper

128 100

127 12.8 10.6 15.8

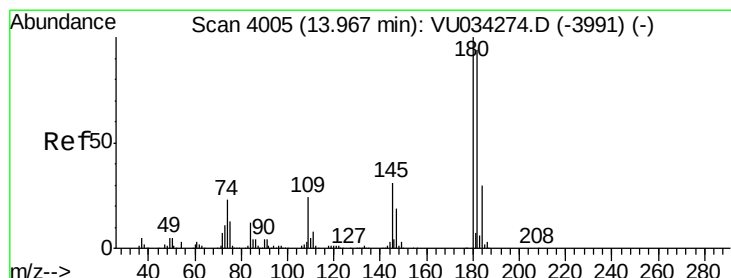
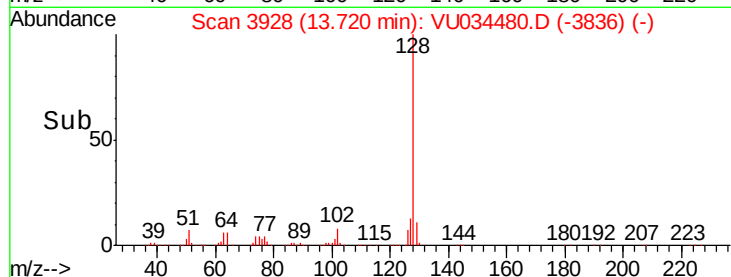
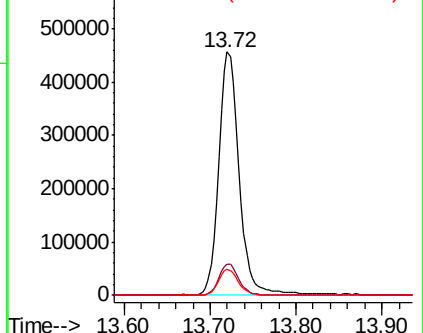
129 10.2 8.4 12.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 51.072 ug/l

RT: 13.96 min Scan# 4004

Delta R.T. -0.00 min

Lab File: VU034480.D

Acq: 11 Sep 2019 17:09

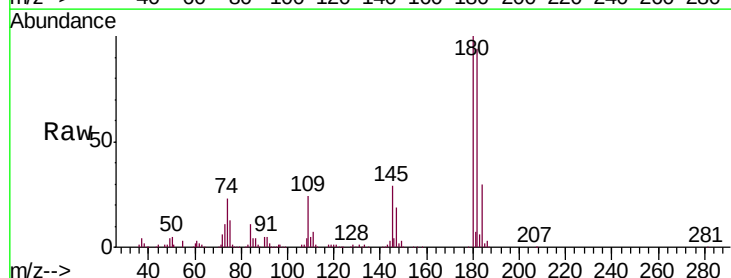
Tgt Ion:180 Resp: 291645

Ion Ratio Lower Upper

180 100

182 96.2 48.4 145.0

145 29.8 15.4 46.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

