

Data File : VU034478.D
Acq On : 11 Sep 2019 15:43
Operator : JC/SP
Sample : VSTDCCC010
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Quant Time: Sep 12 03:51:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U091119DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Sep 12 02:53:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.72	96	69261	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.29	95	26481	0.99	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.00%	
68) 1,2-Dichlorobenzene-d4	11.84	152	27393	0.95	ug/l	0.00
Spiked Amount 1.000			Recovery	=	95.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	229115	9.038	ug/l 100
3) Chloromethane	1.33	50	247269	8.864	ug/l 98
4) Vinyl Chloride	1.40	62	252570	9.215	ug/l 99
5) Bromomethane	1.62	94	133353	8.349	ug/l 96
6) Chloroethane	1.69	64	145655	9.170	ug/l 100
7) Trichlorofluoromethane	1.88	101	311762	9.247	ug/l 98
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	169055	9.243	ug/l 100
9) 1,1-Dichloroethene	2.28	96	166332	9.025	ug/l 98
10) Iodomethane	2.40	142	176634	8.483	ug/l 99
11) Allyl Chloride	2.58	41	279880	9.241	ug/l 99
12) Acrylonitrile	2.92	53	71314	18.571	ug/l 100
13) Acetone	2.31	43	144038	45.032	ug/l 97
14) Carbon Disulfide	2.47	76	587081	9.071	ug/l 100
15) Methylene Chloride	2.68	84	190700	8.901	ug/l 98
16) trans-1,2-Dichloroethene	2.96	96	187917	9.112	ug/l 99
17) 1,1-Dichloroethane	3.42	63	365986	9.307	ug/l 99
18) 2-Butanone	4.25	43	236514	51.197	ug/l 97
19) Cyclohexane	4.97	56	272669	8.847	ug/l 87
20) Methylcyclohexane	6.39	83	325286	10.122	ug/l 99
21) 2,2-Dichloropropane	4.20	77	296118	9.135	ug/l 100
22) cis-1,2-Dichloroethene	4.20	96	217562	9.733	ug/l 98
23) Diethyl Ether	2.10	59	130319	9.441	ug/l 98
24) tert-Butyl Alcohol	2.82	59	125795	88.930	ug/l 99
25) Methyl tert-Butyl Ether	2.99	73	425229	9.626	ug/l 99
26) Bromochloromethane	4.52	128	87869	9.294	ug/l 99
27) Chloroform	4.65	83	354576	8.673	ug/l 100
28) 1,1,1-Trichloroethane	4.89	97	299858	9.352	ug/l 100
29) 1,1-Dichloropropene	5.11	75	271814	9.810	ug/l 99
30) Carbon Tetrachloride	5.11	117	271272	9.441	ug/l 96
31) Isopropyl Ether	3.56	45	548170	9.683	ug/l 100
32) Ethyl-t-butyl ether	4.05	59	481680	9.943	ug/l 99
33) Tert-Amyl methyl ether	5.56	73	419418	10.335	ug/l 100
34) Propionitrile	4.31	54	67380	51.375	ug/l 97
35) Benzene	5.37	78	799374	9.618	ug/l 100
36) 1,2-Dichloroethane	5.38	62	204362	9.574	ug/l 100
37) Trichloroethene	6.16	130	214869	9.241	ug/l 100
38) 1,2-Dichloropropane	6.41	63	209469	9.515	ug/l 98
39) Methacrylonitrile	4.53	41	56347	10.382	ug/l 99
40) Methyl acrylate	4.41	55	87762	10.613	ug/l 99
41) Tetrahydrofuran	4.63	42	56747	20.408	ug/l 99
42) 1-Chlorobutane	5.04	56	378940	10.064	ug/l 99

Data File : VU034478.D
Acq On : 11 Sep 2019 15:43
Operator : JC/SP
Sample : VSTDCCC010
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

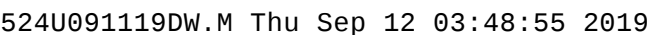
Instrument :
MSVOA_U
ClientSampleID :
VSTDCCC010EC

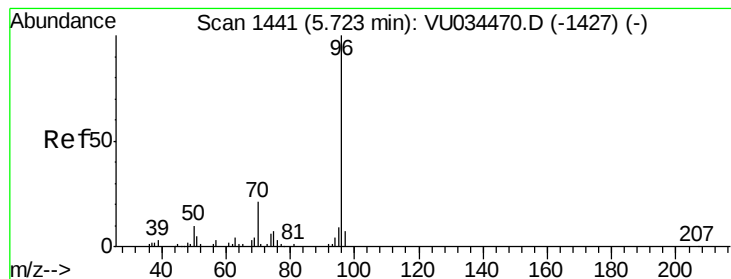
Quant Time: Sep 12 03:51:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U091119DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Sep 12 02:53:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.54	93	97312	9.391	ug/l	98
44) Bromodichloromethane	6.74	83	249790	9.381	ug/l	99
45) 4-Methyl-2-Pentanone	7.44	43	553877	52.716	ug/l	100
46) t-1,4-Dichloro-2-butene	10.47	75	108333	25.869	ug/l #	82
47) Methyl methacrylate	6.60	69	176188	21.315	ug/l	99
48) Ethyl methacrylate	8.00	69	159859	10.763	ug/l	99
49) Toluene	7.61	92	494466	10.198	ug/l	100
50) t-1,3-Dichloropropene	7.86	75	220185	10.043	ug/l	100
51) cis-1,3-Dichloropropene	7.25	75	275680	9.990	ug/l	98
52) 1,1,2-Trichloroethane	8.05	97	135810	9.437	ug/l	99
53) 1,3-Dichloropropane	8.22	76	235301	9.778	ug/l	99
54) 2-Hexanone	8.34	43	383920	54.511	ug/l	99
55) Dibromochloromethane	8.46	129	171293	9.796	ug/l	99
56) 1,2-Dibromoethane	8.57	107	127090	9.625	ug/l	99
58) Tetrachloroethene	8.21	164	211905	9.591	ug/l	99
59) Chlorobenzene	9.10	112	538110	9.961	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.19	131	188228	9.408	ug/l	99
61) Pentachloroethane	11.08	117	149701	9.244	ug/l	98
62) Hexachloroethane	12.12	117	138491	9.630	ug/l	97
63) Ethyl Benzene	9.23	91	921560	10.638	ug/l	99
64) m/p-Xylenes	9.35	106	751142	21.407	ug/l	99
65) o-Xylene	9.76	106	351536	10.516	ug/l	100
66) Styrene	9.77	104	613637	10.966	ug/l	99
67) Bromoform	9.94	173	101013	9.827	ug/l	98
69) Isopropylbenzene	10.14	105	931912	10.695	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.43	83	176726	9.570	ug/l	99
71) 1,2,3-Trichloropropane	10.47	75	108333	8.243	ug/l #	88
72) Bromobenzene	10.43	156	233611	9.888	ug/l	99
73) n-propylbenzene	10.57	120	273906	10.851	ug/l	99
74) 2-Chlorotoluene	10.64	126	235630	10.375	ug/l	100
75) 1,3,5-Trimethylbenzene	10.75	105	838765	10.721	ug/l	100
76) 4-Chlorotoluene	10.75	126	241154	10.487	ug/l	97
77) tert-Butylbenzene	11.08	119	784762	10.346	ug/l	98
78) 1,2,4-Trimethylbenzene	11.13	105	865078	10.949	ug/l	100
79) sec-Butylbenzene	11.30	105	1075377	10.538	ug/l	99
80) Nitrobenzene	12.85	77	20718	52.553	ug/l	100
81) p-Isopropyltoluene	11.45	119	927588	10.894	ug/l	99
82) 1,3-Dichlorobenzene	11.39	146	480074	9.790	ug/l	100
83) 1,4-Dichlorobenzene	11.49	146	481733	9.886	ug/l	100
84) n-Butylbenzene	11.86	91	853395	10.891	ug/l	100
85) 1,2-Dichlorobenzene	11.86	146	436276	9.819	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	12.64	75	25449	10.322	ug/l	98
87) 1,2,4-Trichlorobenzene	13.48	180	283377	11.048	ug/l	99
88) Hexachlorobutadiene	13.67	225	190823	9.764	ug/l	100
89) Naphthalene	13.72	128	400250	8.974	ug/l	100
90) 1,2,3-Trichlorobenzene	13.96	180	260926	11.047	ug/l	98

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

Quant Time: Sep 12 03:51:00 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\524U091119DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Sep 12 02:53:57 2019
Response via : Initial Calibration





#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.72 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 96 Resp: 69261

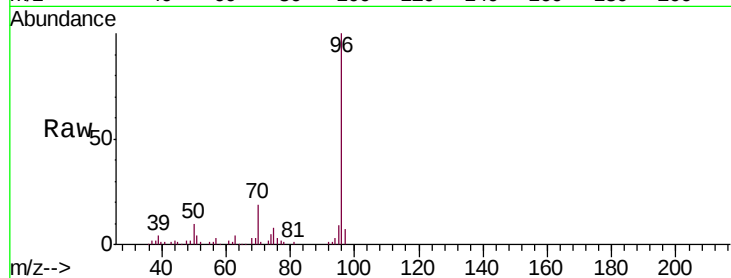
Ion Ratio Lower Upper

96 100

70 19.8 16.5 24.7

95 8.4 7.0 10.6

97 0.0 0.0 0.0

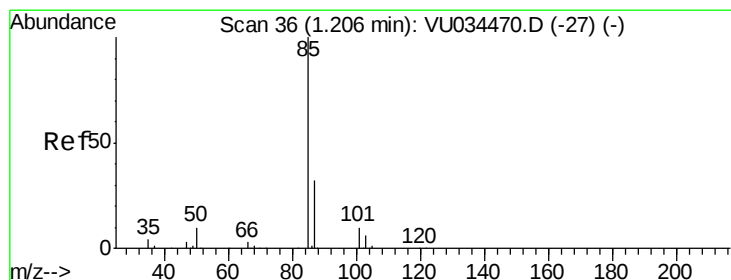
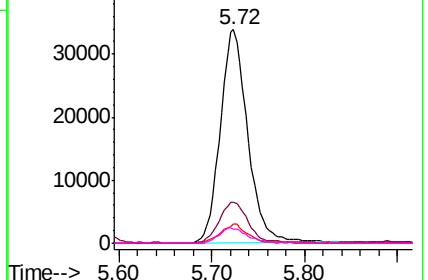
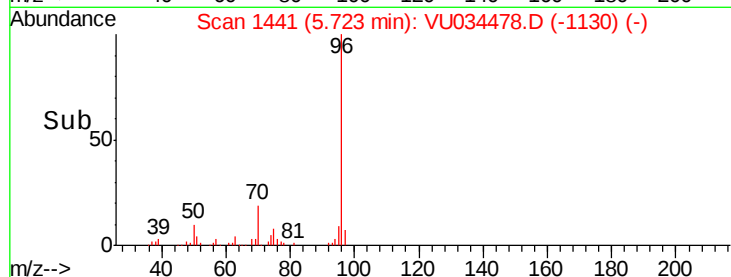


Abundance Ion 96.00 (95.70 to 96.70): VU034478.D (-1130) (-)

Ion 70.00 (69.70 to 70.70): VU034478.D (-1130) (-)

Ion 95.00 (94.70 to 95.70): VU034478.D (-1130) (-)

Ion 97.00 (96.70 to 97.70): VU034478.D (-1130) (-)



#2

Dichlorodifluoromethane

Concen: 9.038 ug/l

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU034478.D

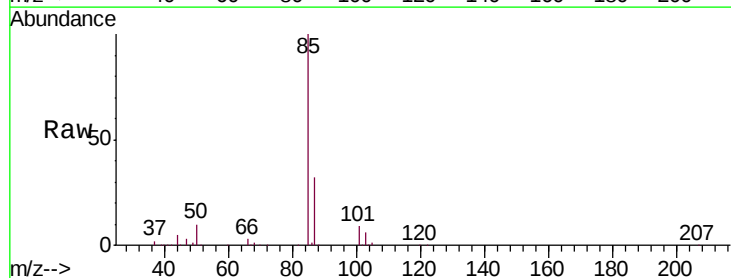
Acq: 11 Sep 2019 15:43

Tgt Ion: 85 Resp: 229115

Ion Ratio Lower Upper

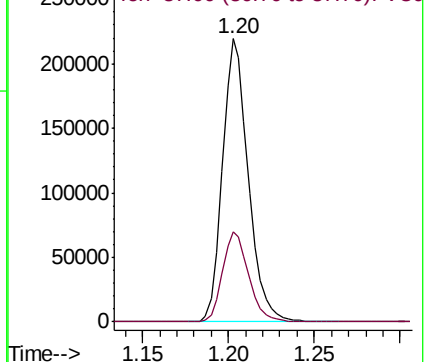
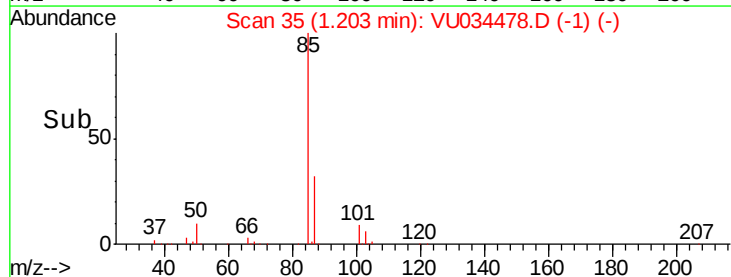
85 100

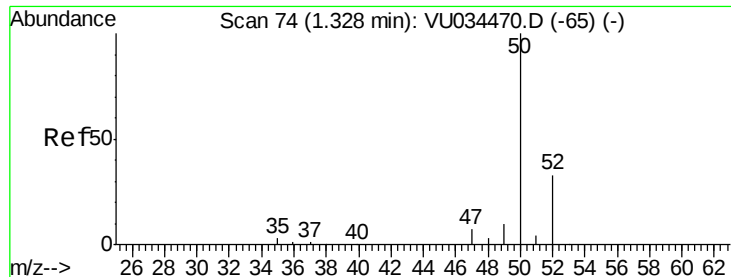
87 32.1 16.1 48.3



Abundance Ion 85.00 (84.70 to 85.70): VU034478.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU034478.D (-1) (-)





#3

Chloromethane

Concen: 8.864 ug/l

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

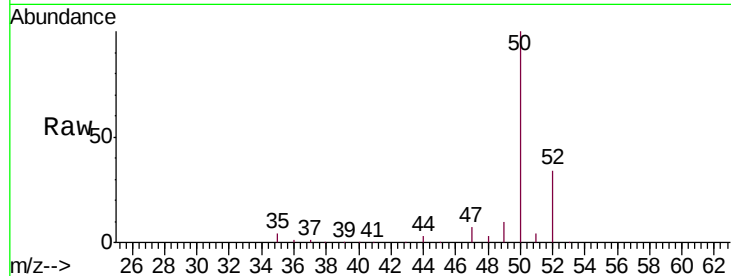
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 50 Resp: 247269

Ion Ratio Lower Upper

50 100

52 33.6 26.2 39.4



Abundance Ion 50.00 (49.70 to 50.70): VU034470.D (-65) (-)

Ion 52.00 (51.70 to 52.70): VU034470.D (-65) (-)

1.33

250000

200000

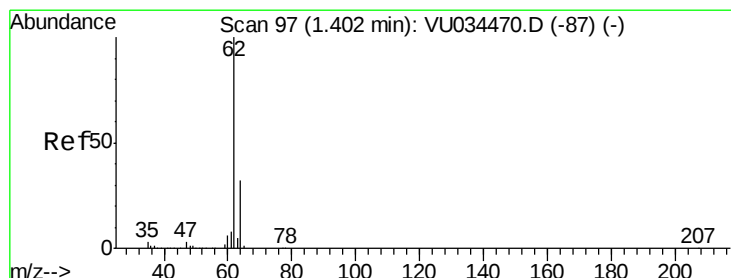
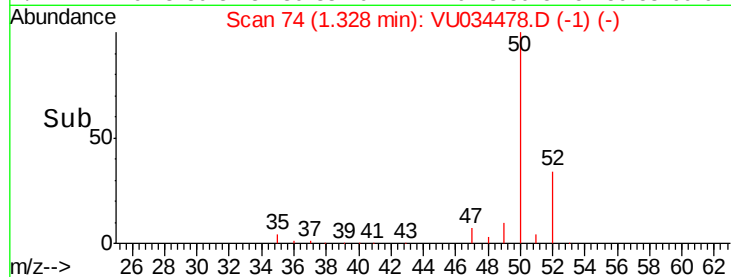
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 9.215 ug/l

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU034478.D

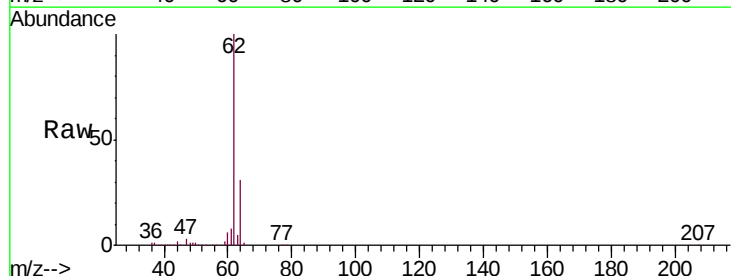
Acq: 11 Sep 2019 15:43

Tgt Ion: 62 Resp: 252570

Ion Ratio Lower Upper

62 100

64 31.3 25.4 38.0



Abundance Ion 62.00 (61.70 to 62.70): VU034478.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VU034478.D (-1) (-)

1.40

250000

200000

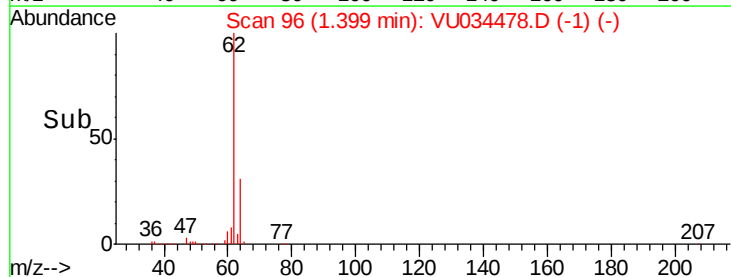
150000

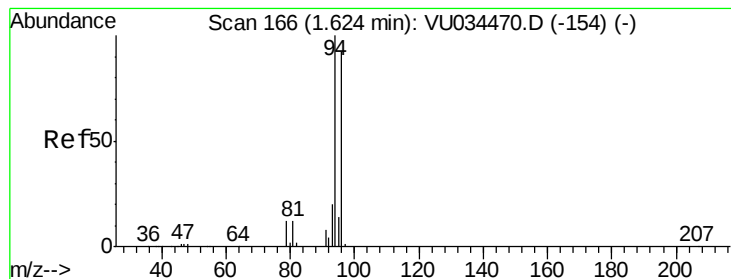
100000

50000

0

Time-->





#5

Bromomethane

Concen: 8.349 ug/l

RT: 1.62 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

Instrument :

MSVOA_U

ClientSampleId :

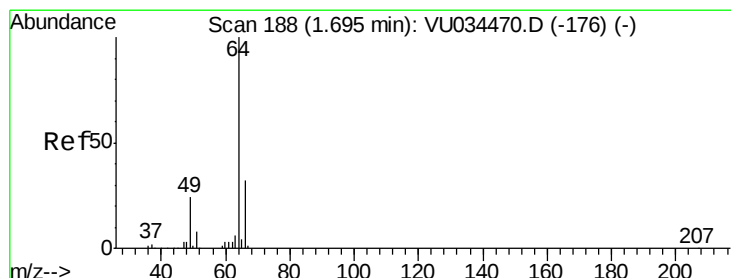
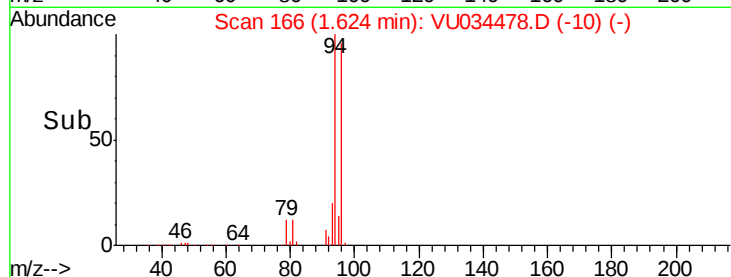
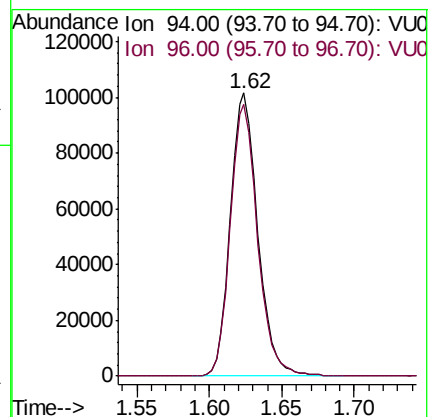
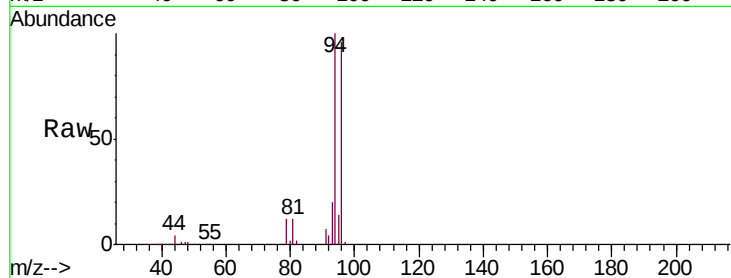
VSTDCCC010EC

Tgt Ion: 94 Resp: 133353

Ion Ratio Lower Upper

94 100

96 96.2 73.8 110.8



#6

Chloroethane

Concen: 9.170 ug/l

RT: 1.69 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU034478.D

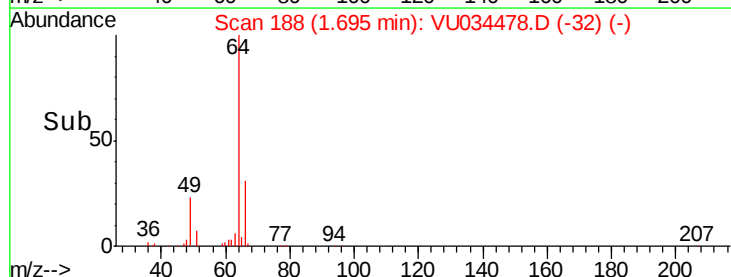
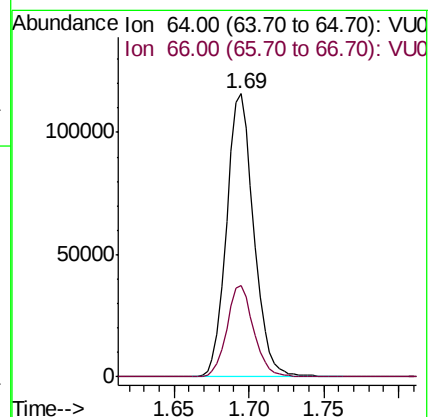
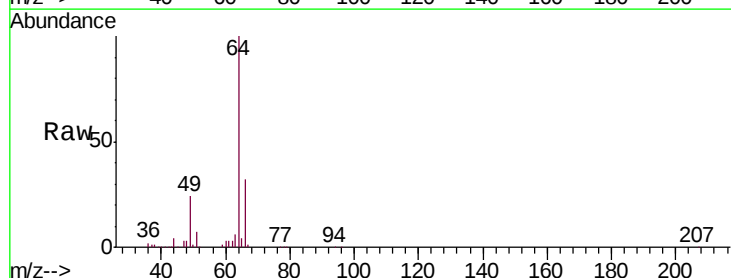
Acq: 11 Sep 2019 15:43

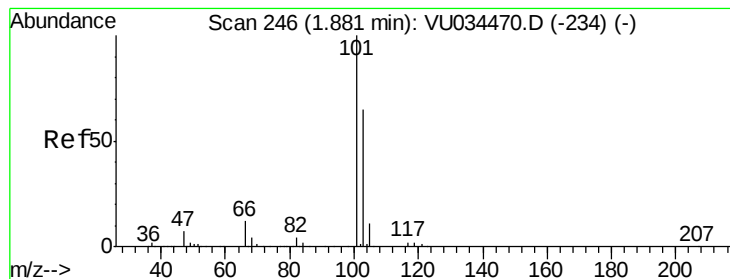
Tgt Ion: 64 Resp: 145655

Ion Ratio Lower Upper

64 100

66 32.3 25.8 38.8





#7

Trichlorofluoromethane

Concen: 9.247 ug/l

RT: 1.88 min Scan# 246

Delta R.T. 0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

Instrument :

MSVOA_U

ClientSampleId :

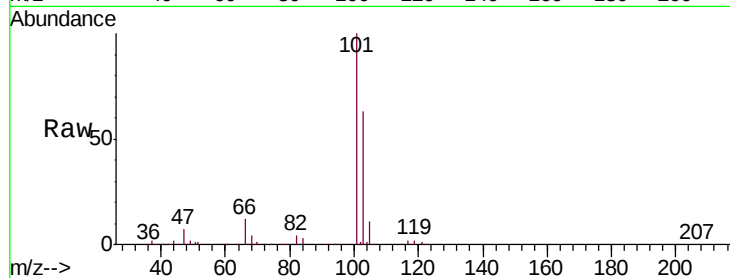
VSTDCCC010EC

Tgt Ion:101 Resp: 311762

Ion Ratio Lower Upper

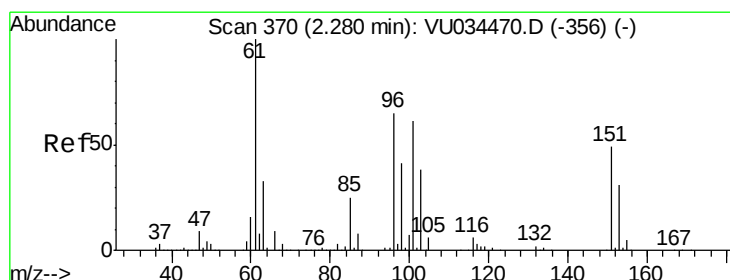
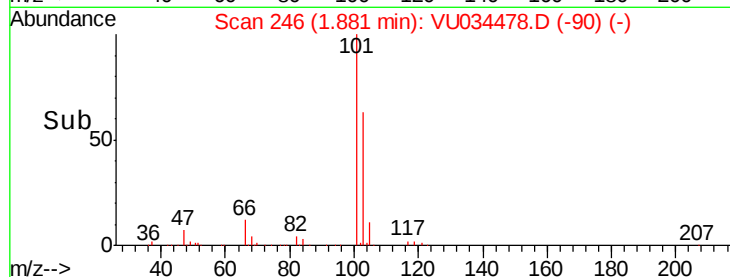
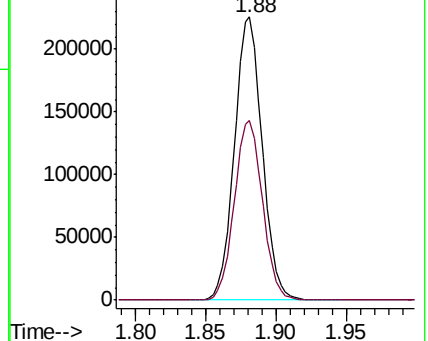
101 100

103 63.3 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 9.243 ug/l

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

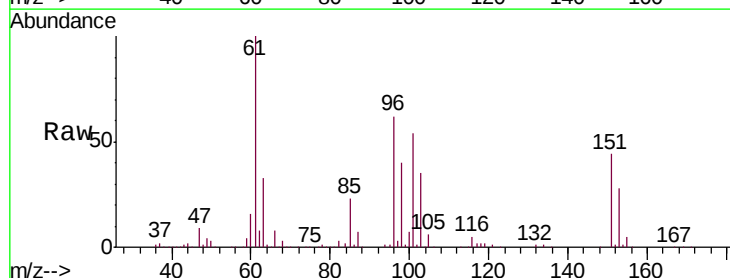
Tgt Ion:101 Resp: 169055

Ion Ratio Lower Upper

101 100

85 42.2 34.2 51.2

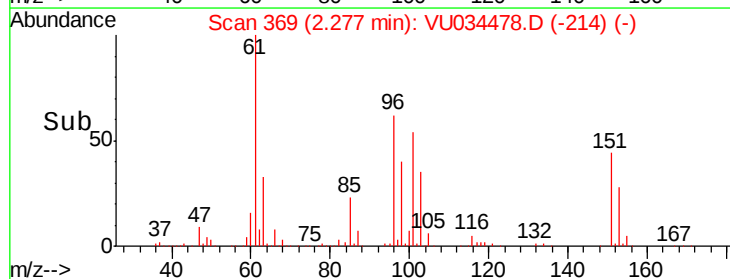
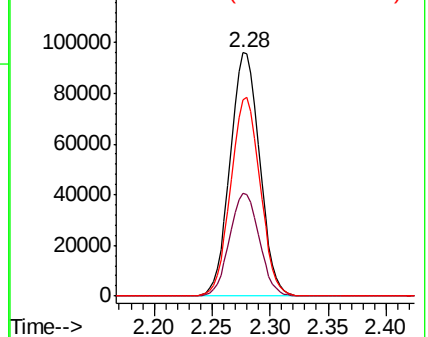
151 81.4 65.2 97.8

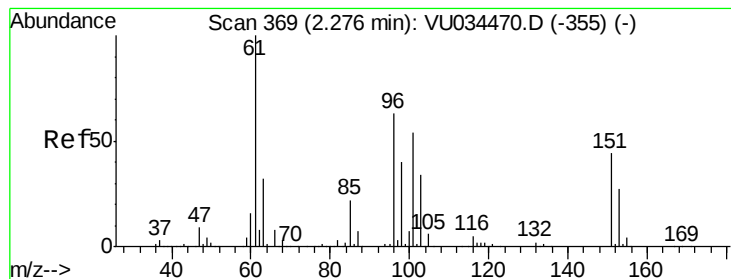


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#9

1,1-Dichloroethene

Concen: 9.025 ug/l

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

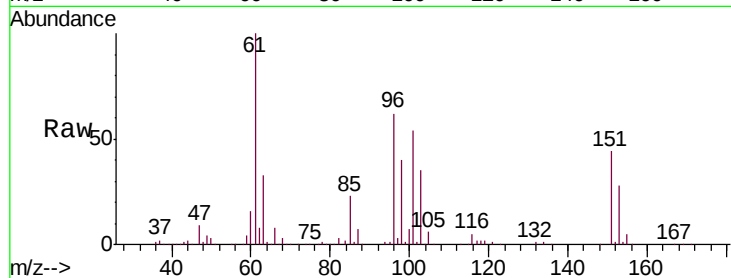
Tgt Ion: 96 Resp: 166332

Ion Ratio Lower Upper

96 100

61 161.7 0.0 475.5

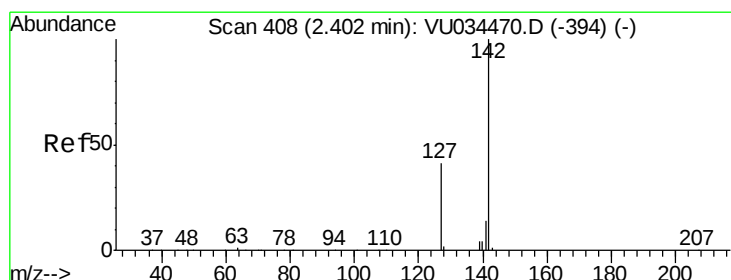
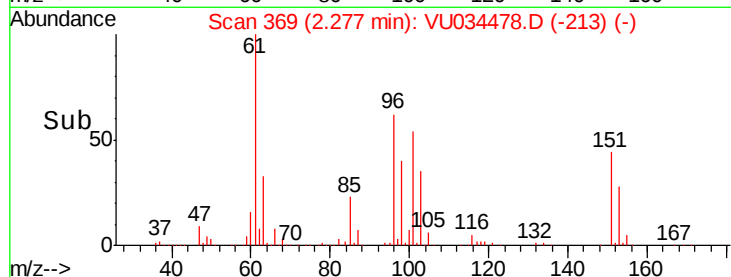
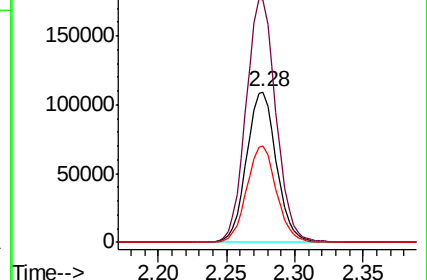
98 64.4 0.0 127.6



Abundance Ion 96.00 (95.70 to 96.70): VU034478.D (-355) (-)

Ion 61.00 (60.70 to 61.70): VU034478.D (-355) (-)

Ion 98.00 (97.70 to 98.70): VU034478.D (-355) (-)



#10

Iodomethane

Concen: 8.483 ug/l

RT: 2.40 min Scan# 408

Delta R.T. 0.00 min

Lab File: VU034478.D

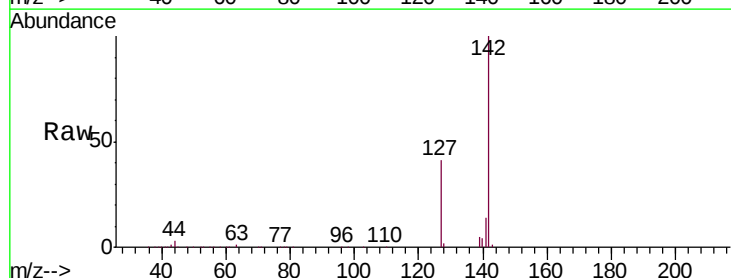
Acq: 11 Sep 2019 15:43

Tgt Ion: 142 Resp: 176634

Ion Ratio Lower Upper

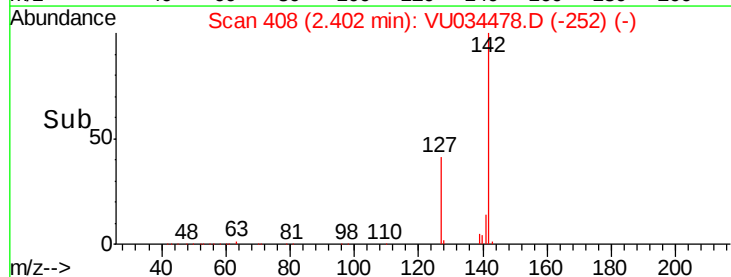
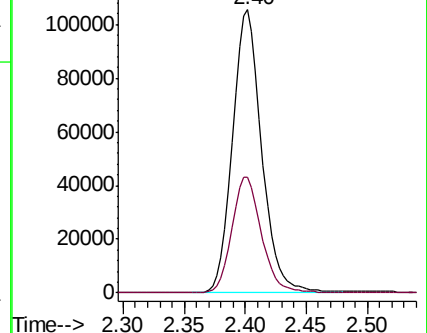
142 100

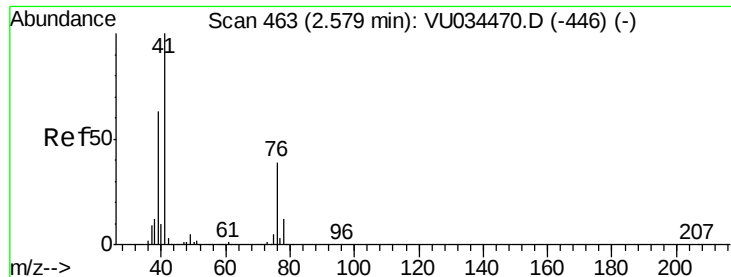
127 41.7 33.0 49.6



Abundance Ion 142.00 (141.70 to 142.70): VU034478.D (-394) (-)

Ion 127.00 (126.70 to 127.70): VU034478.D (-394) (-)

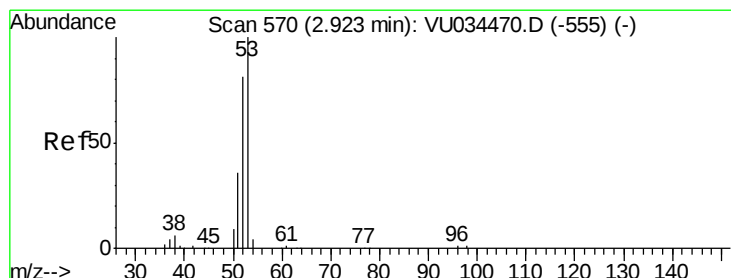
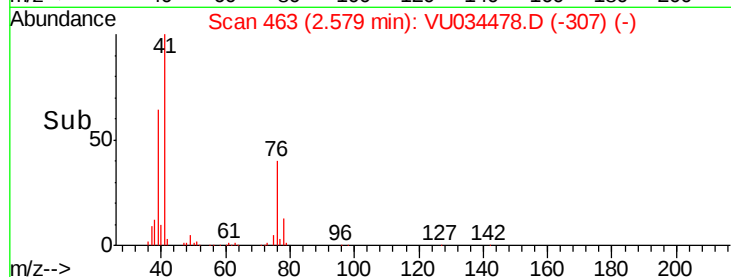
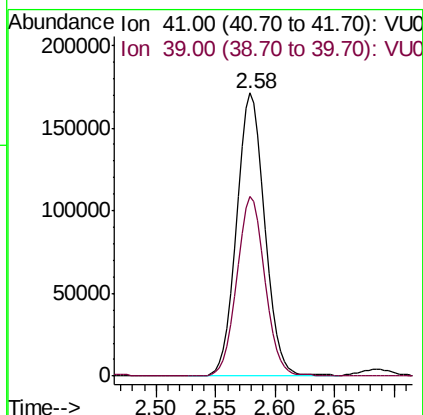
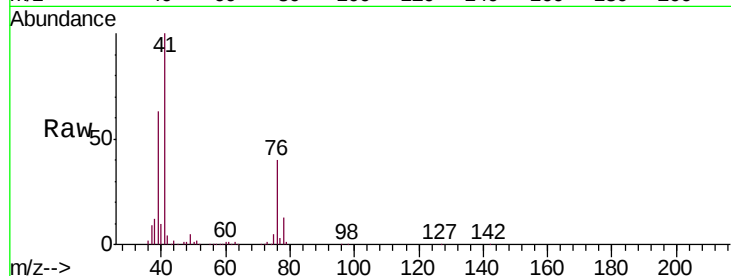




#11
 Allyl Chloride
 Concen: 9.241 ug/l
 RT: 2.58 min Scan# 463
 Delta R.T. 0.00 min
 Lab File: VU034478.D
 Acq: 11 Sep 2019 15:43

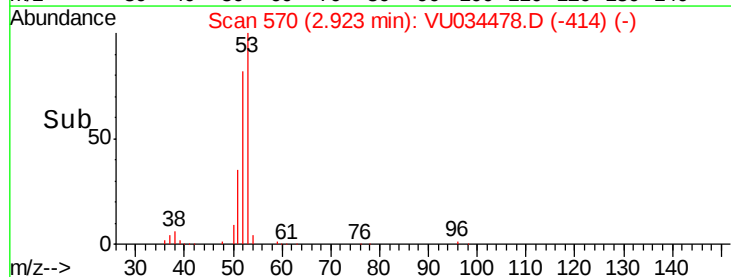
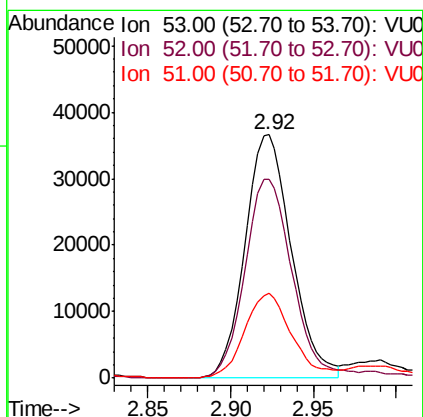
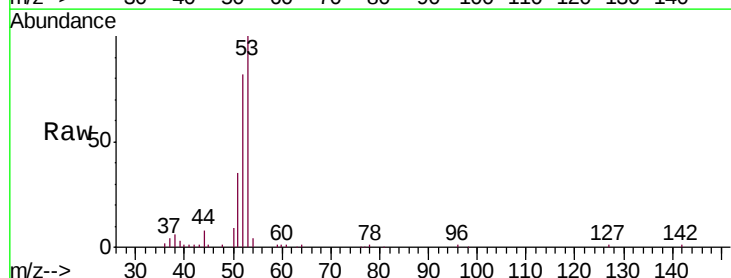
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

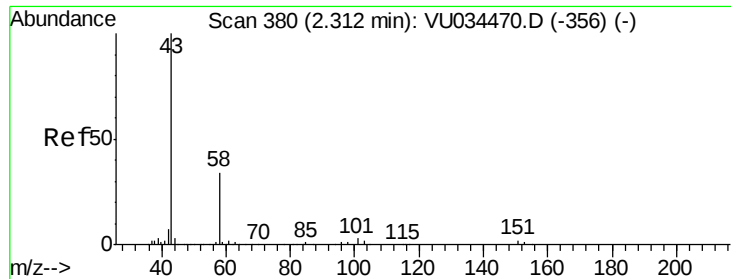
Tgt Ion: 41 Resp: 279880
 Ion Ratio Lower Upper
 41 100
 39 63.3 50.2 75.2



#12
 Acrylonitrile
 Concen: 18.571 ug/l
 RT: 2.92 min Scan# 570
 Delta R.T. 0.00 min
 Lab File: VU034478.D
 Acq: 11 Sep 2019 15:43

Tgt Ion: 53 Resp: 71314
 Ion Ratio Lower Upper
 53 100
 52 83.5 66.9 100.3
 51 36.0 28.4 42.6





#13

Acetone

Concen: 45.032 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

Instrument :

MSVOA_U

ClientSampleId :

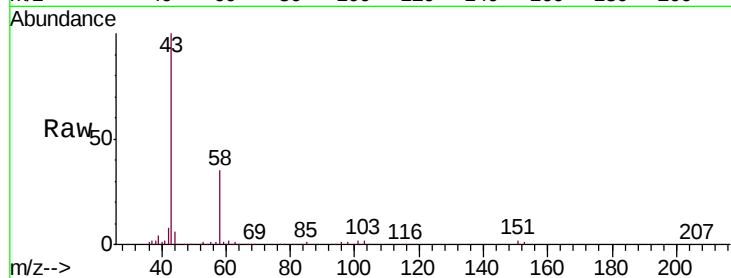
VSTDCCC010EC

Tgt Ion: 43 Resp: 144038

Ion Ratio Lower Upper

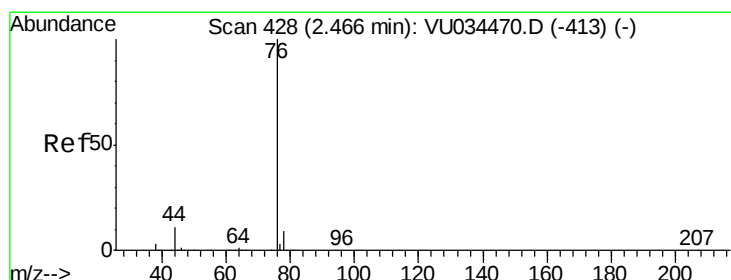
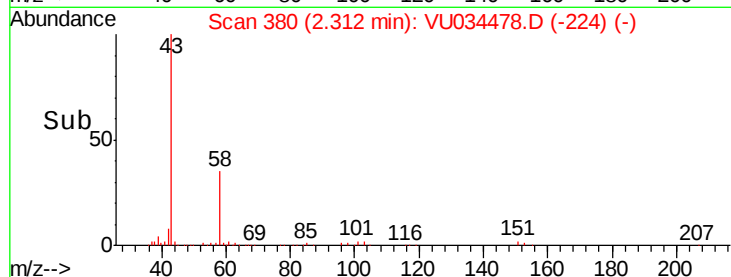
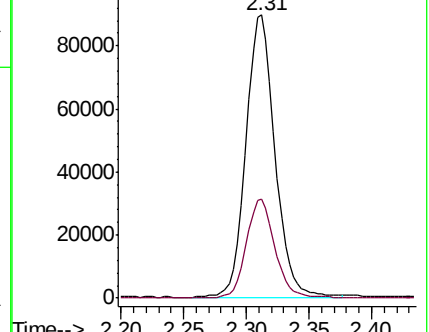
43 100

58 35.3 26.9 40.3



Abundance Ion 43.00 (42.70 to 43.70): VU034478.D (-224) (-)

Ion 58.00 (57.70 to 58.70): VU034478.D (-224) (-)



#14

Carbon Disulfide

Concen: 9.071 ug/l

RT: 2.47 min Scan# 428

Delta R.T. 0.00 min

Lab File: VU034478.D

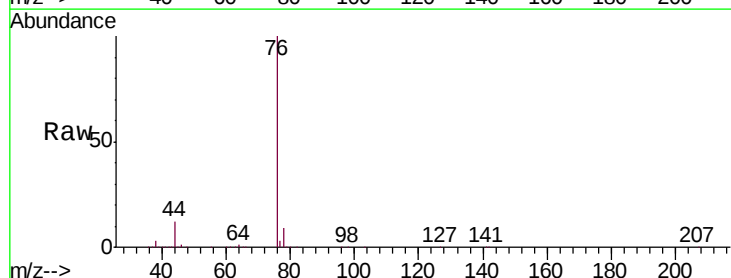
Acq: 11 Sep 2019 15:43

Tgt Ion: 76 Resp: 587081

Ion Ratio Lower Upper

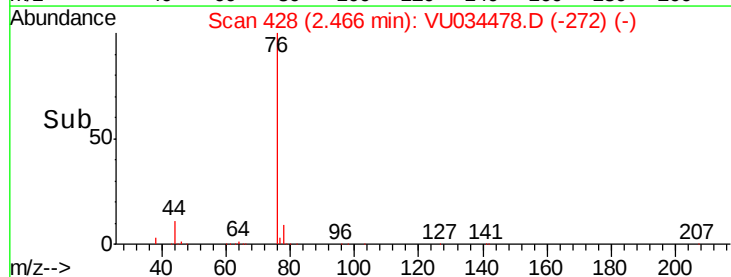
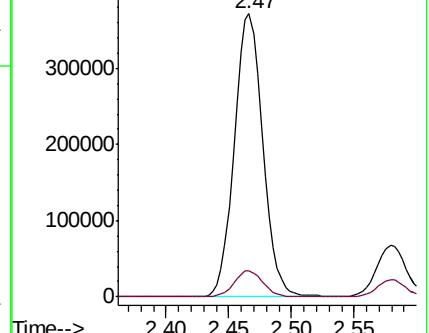
76 100

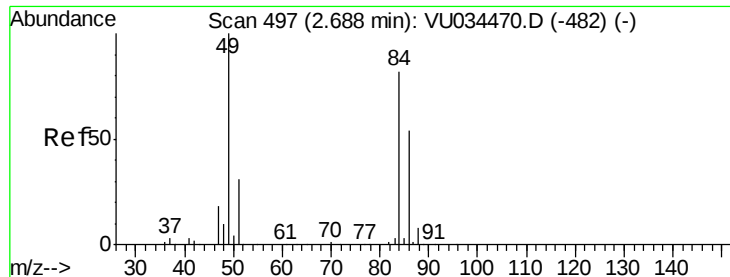
78 9.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU034478.D (-272) (-)

Ion 78.00 (77.70 to 78.70): VU034478.D (-272) (-)

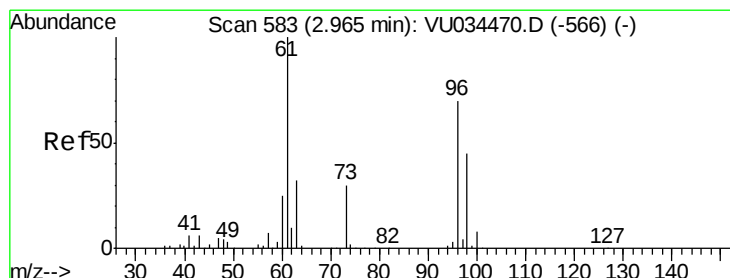
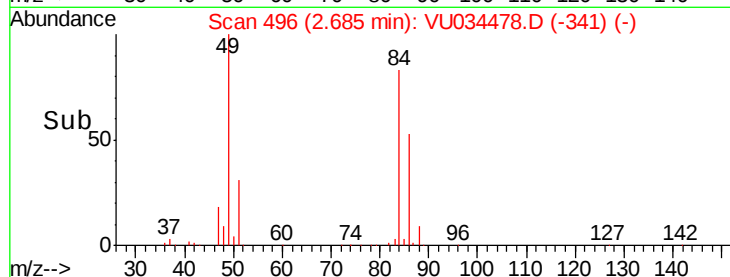
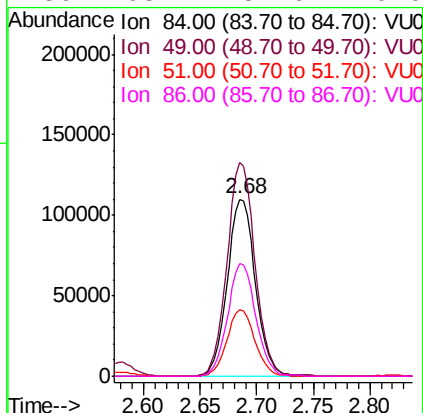
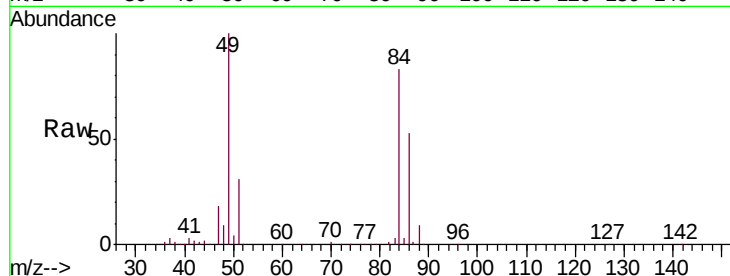




#15
Methylene Chloride
Concen: 8.901 ug/l
RT: 2.68 min Scan# 496
Delta R.T. -0.00 min
Lab File: VU034478.D
Acq: 11 Sep 2019 15:43

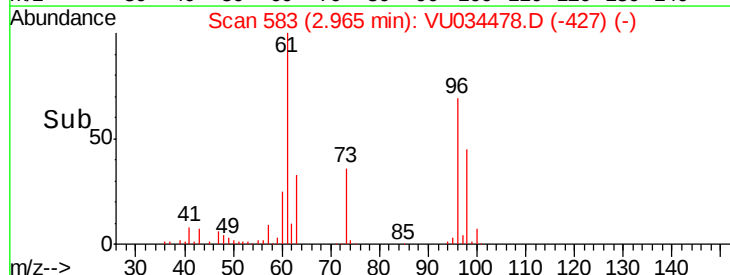
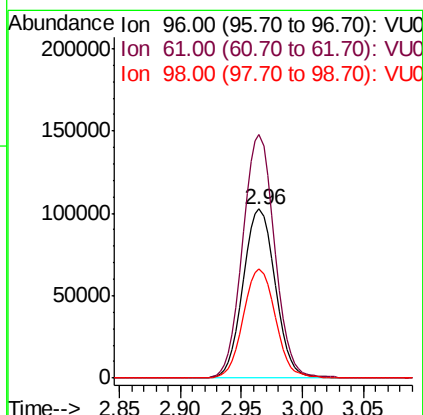
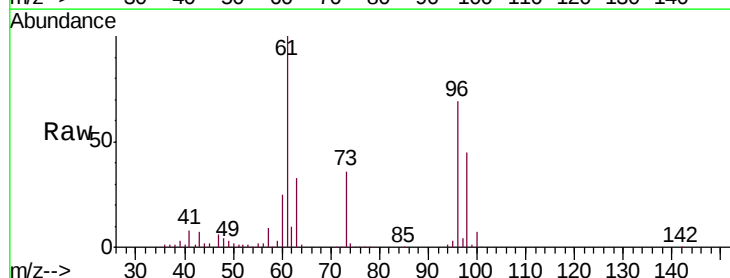
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

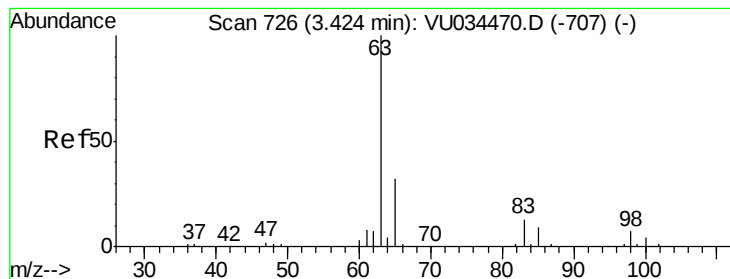
Tgt Ion: 84 Resp: 190700
Ion Ratio Lower Upper
84 100
49 120.5 97.8 146.6
51 37.7 0.0 76.4
86 63.7 52.6 79.0



#16
trans-1,2-Dichloroethene
Concen: 9.112 ug/l
RT: 2.96 min Scan# 583
Delta R.T. 0.00 min
Lab File: VU034478.D
Acq: 11 Sep 2019 15:43

Tgt Ion: 96 Resp: 187917
Ion Ratio Lower Upper
96 100
61 144.0 114.5 171.7
98 64.3 51.2 76.8





#17

1,1-Dichloroethane

Concen: 9.307 ug/l

RT: 3.42 min Scan# 726

Delta R.T. 0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

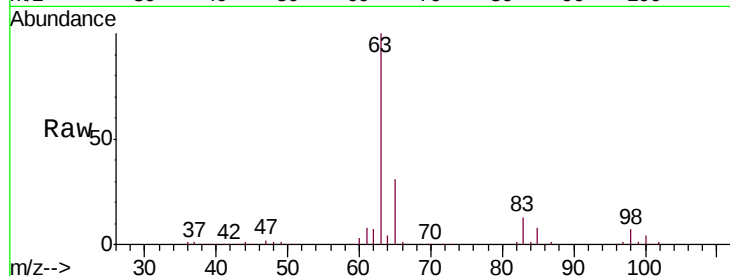
Tgt Ion: 63 Resp: 365986

Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.4

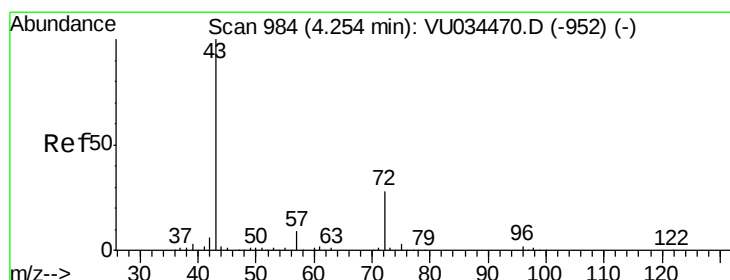
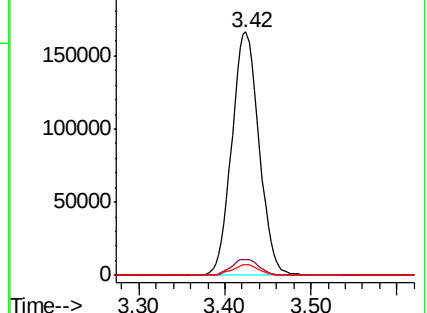
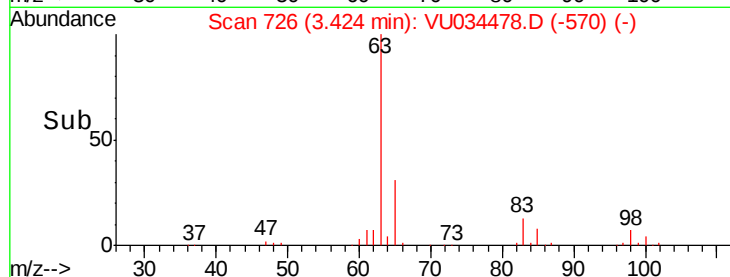
100 4.2 2.3 6.8



Abundance Ion 63.00 (62.70 to 63.70): VU034478.D (-707) (-)

Ion 98.00 (97.70 to 98.70): VU034478.D (-707) (-)

Ion 100.00 (99.70 to 100.70): VU034478.D (-707) (-)



#18

2-Butanone

Concen: 51.197 ug/l

RT: 4.25 min Scan# 984

Delta R.T. 0.00 min

Lab File: VU034478.D

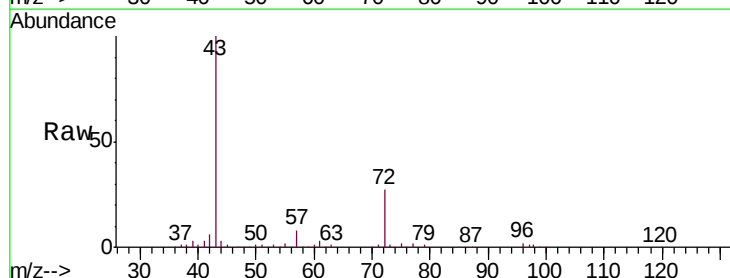
Acq: 11 Sep 2019 15:43

Tgt Ion: 43 Resp: 236514

Ion Ratio Lower Upper

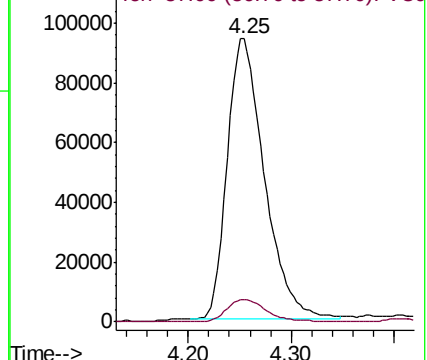
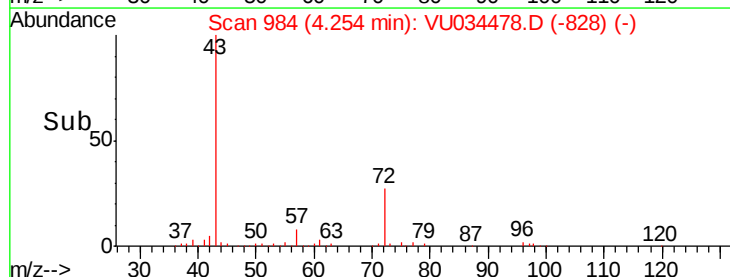
43 100

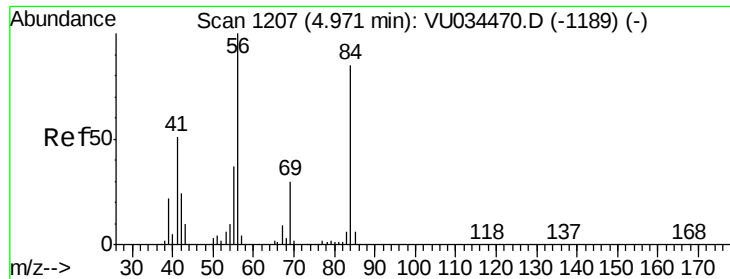
57 8.0 0.0 17.8



Abundance Ion 43.00 (42.70 to 43.70): VU034478.D (-828) (-)

Ion 57.00 (56.70 to 57.70): VU034478.D (-828) (-)

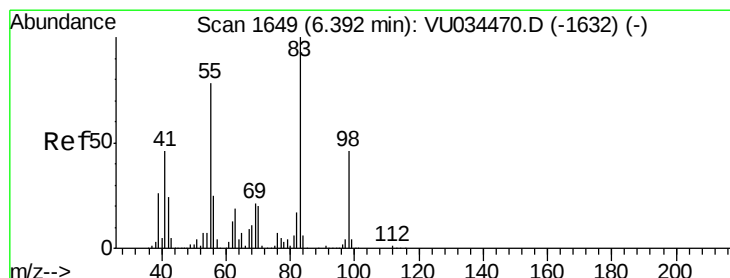
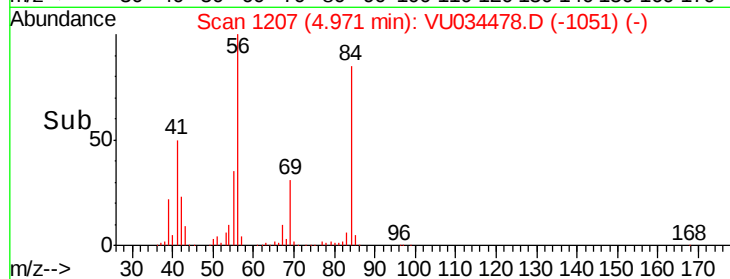
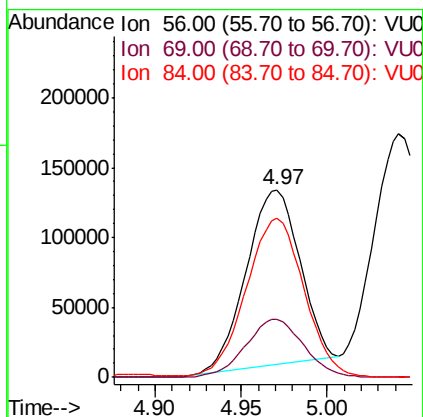
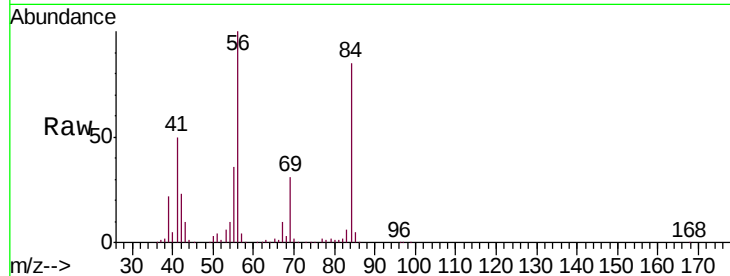




#19
Cyclohexane
Concen: 8.847 ug/l
RT: 4.97 min Scan# 1207
Delta R.T. 0.00 min
Lab File: VU034478.D
Acq: 11 Sep 2019 15:43

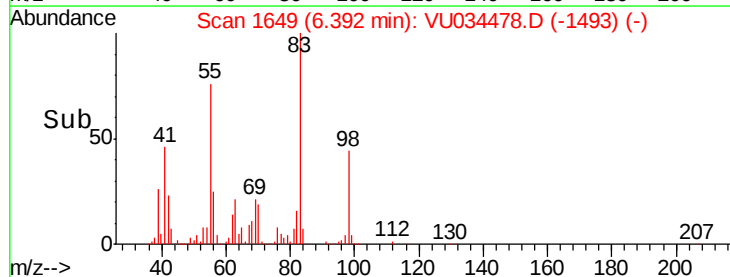
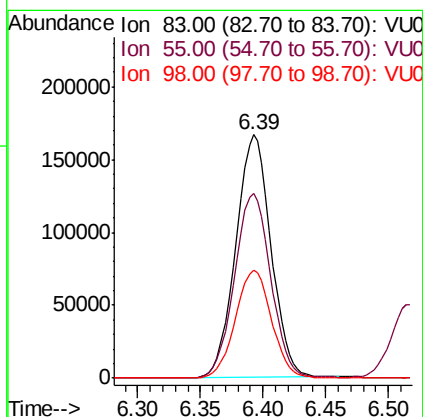
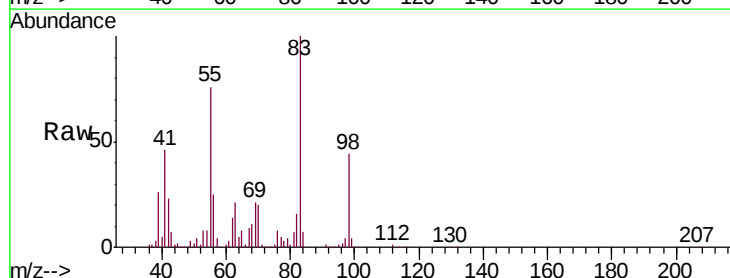
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

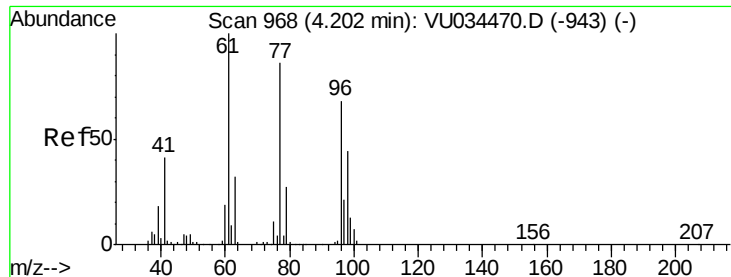
Tgt Ion: 56 Resp: 272669
Ion Ratio Lower Upper
56 100
69 35.6 24.4 36.6
84 96.7 66.9 100.3



#20
Methylcyclohexane
Concen: 10.122 ug/l
RT: 6.39 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VU034478.D
Acq: 11 Sep 2019 15:43

Tgt Ion: 83 Resp: 325286
Ion Ratio Lower Upper
83 100
55 78.0 61.7 92.5
98 45.4 36.0 54.0

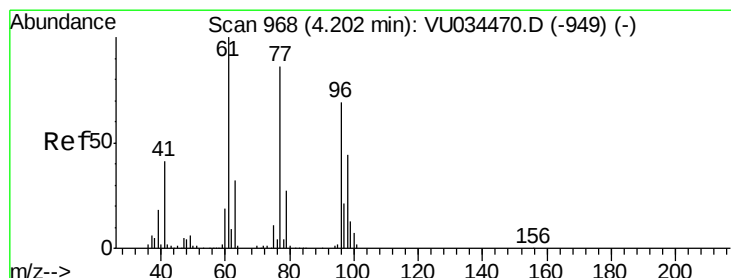
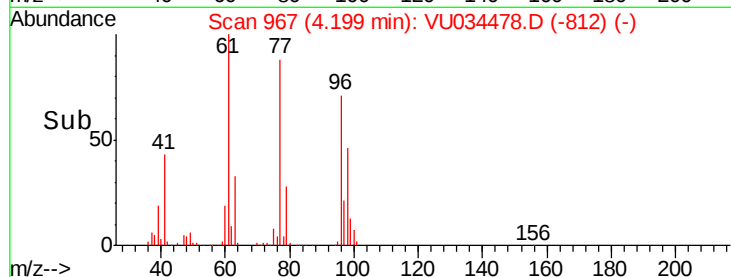
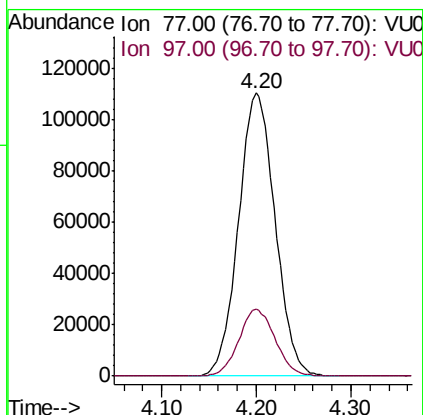
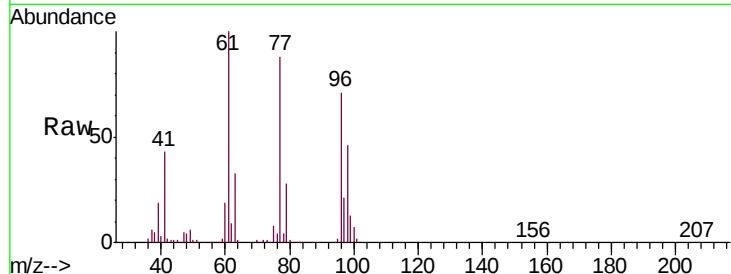




#21
 2,2-Dichloropropane
 Concen: 9.135 ug/l
 RT: 4.20 min Scan# 967
 Delta R.T. -0.00 min
 Lab File: VU034478.D
 Acq: 11 Sep 2019 15:43

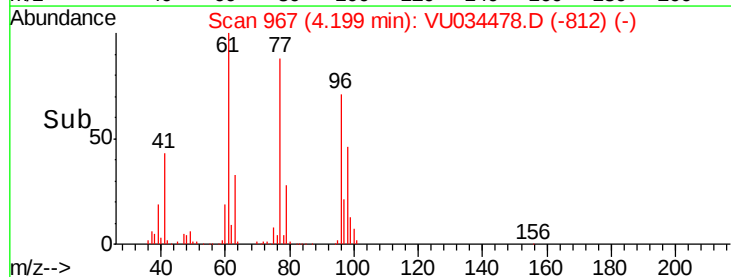
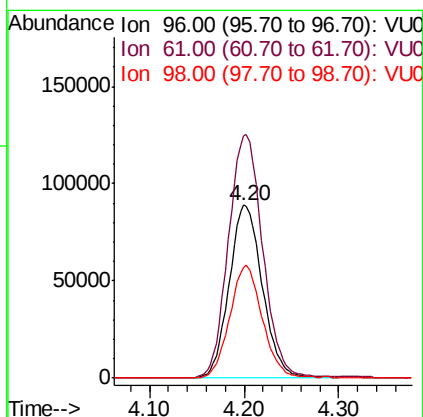
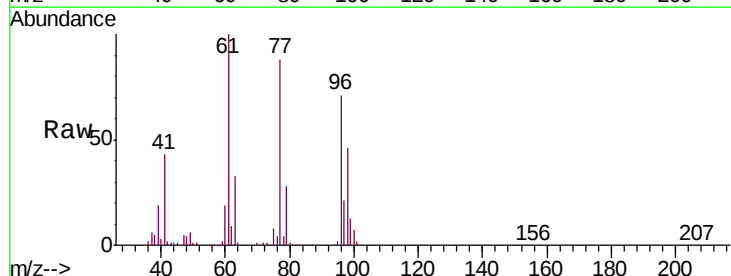
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

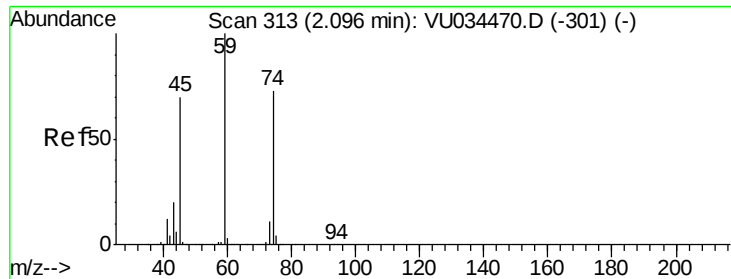
Tgt Ion: 77 Resp: 296118
 Ion Ratio Lower Upper
 77 100
 97 23.6 18.9 28.3



#22
 cis-1,2-Dichloroethene
 Concen: 9.733 ug/l
 RT: 4.20 min Scan# 967
 Delta R.T. -0.00 min
 Lab File: VU034478.D
 Acq: 11 Sep 2019 15:43

Tgt Ion: 96 Resp: 217562
 Ion Ratio Lower Upper
 96 100
 61 145.6 0.0 369.5
 98 63.9 32.4 97.2

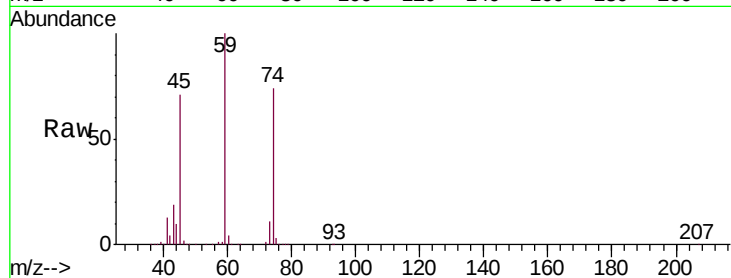




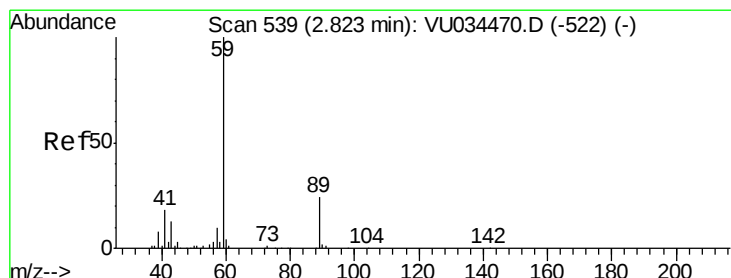
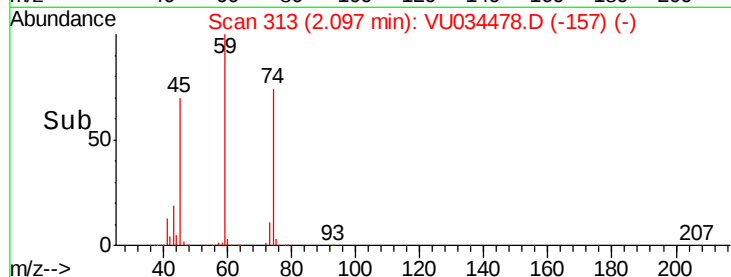
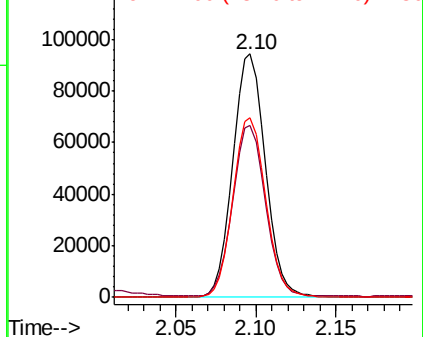
#23
Diethyl Ether
Concen: 9.441 ug/l
RT: 2.10 min Scan# 313
Delta R.T. 0.00 min
Lab File: VU034478.D
Acq: 11 Sep 2019 15:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 59 Resp: 130319
Ion Ratio Lower Upper
59 100
45 71.2 56.3 84.5
74 74.6 58.2 87.2

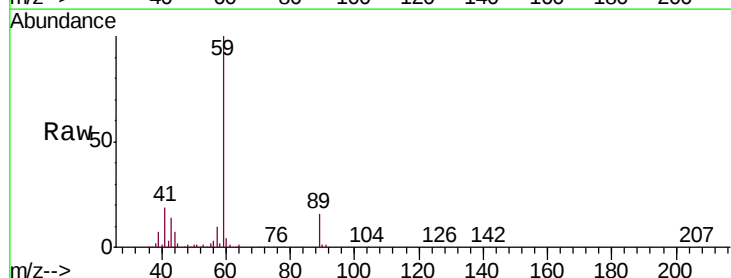


Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 45.00 (44.70 to 45.70): VU0
Ion 74.00 (73.70 to 74.70): VU0

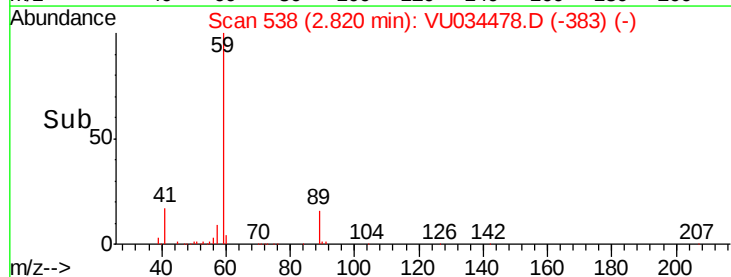
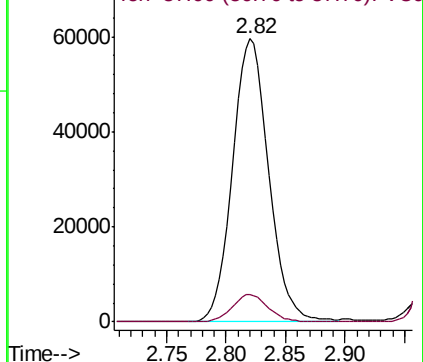


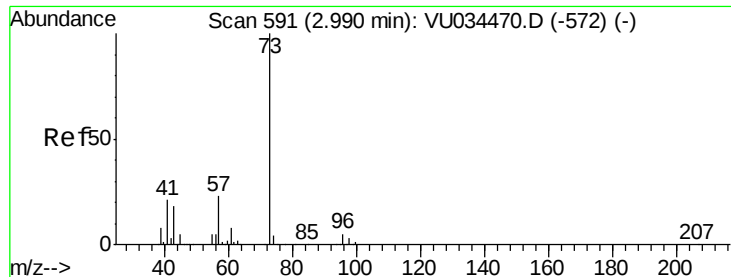
#24
tert-Butyl Alcohol
Concen: 88.930 ug/l
RT: 2.82 min Scan# 538
Delta R.T. -0.00 min
Lab File: VU034478.D
Acq: 11 Sep 2019 15:43

Tgt Ion: 59 Resp: 125795
Ion Ratio Lower Upper
59 100
57 9.5 7.3 10.9



Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 57.00 (56.70 to 57.70): VU0

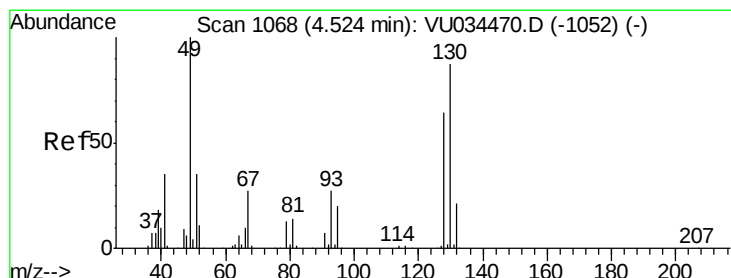
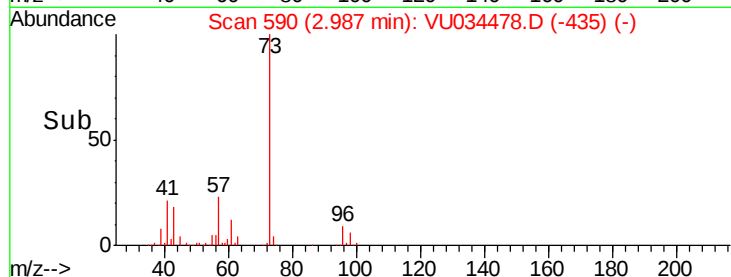
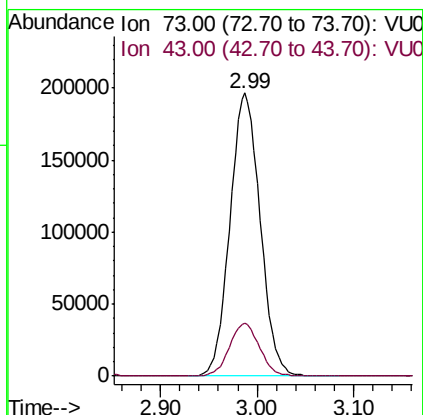
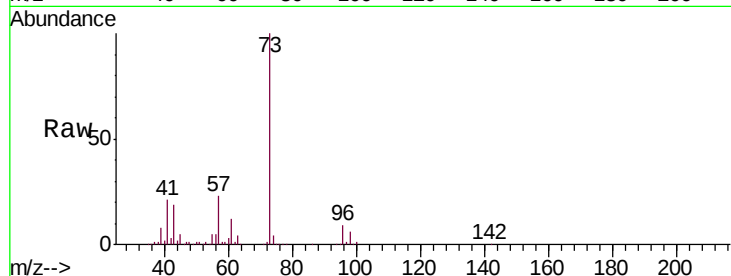




#25
Methyl tert-Butyl Ether
Concen: 9.626 ug/l
RT: 2.99 min Scan# 590
Delta R.T. -0.00 min
Lab File: VU034478.D
Acq: 11 Sep 2019 15:43

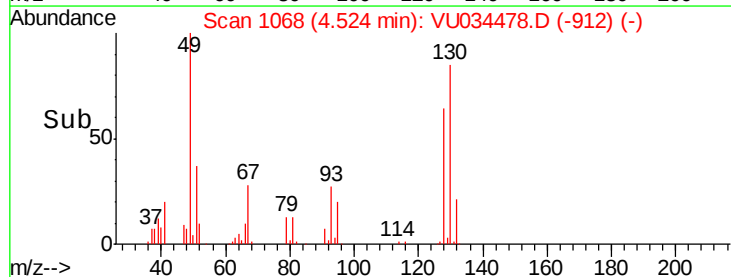
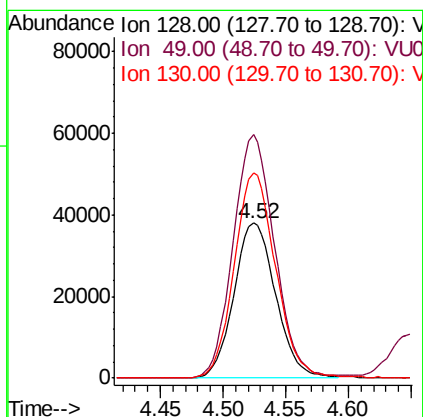
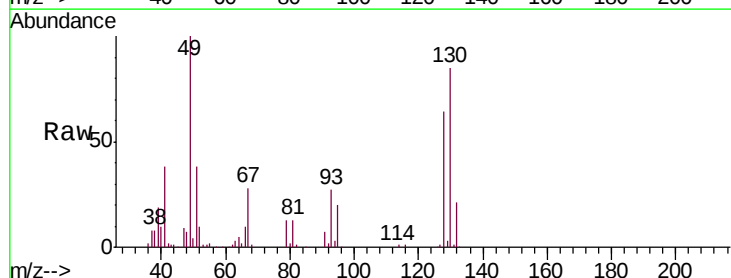
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

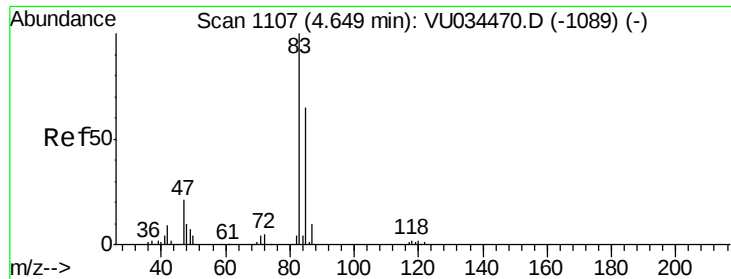
Tgt Ion: 73 Resp: 425229
Ion Ratio Lower Upper
73 100
43 18.3 14.4 21.6



#26
Bromochloromethane
Concen: 9.294 ug/l
RT: 4.52 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VU034478.D
Acq: 11 Sep 2019 15:43

Tgt Ion: 128 Resp: 87869
Ion Ratio Lower Upper
128 100
49 155.9 0.0 309.8
130 131.7 105.0 157.6

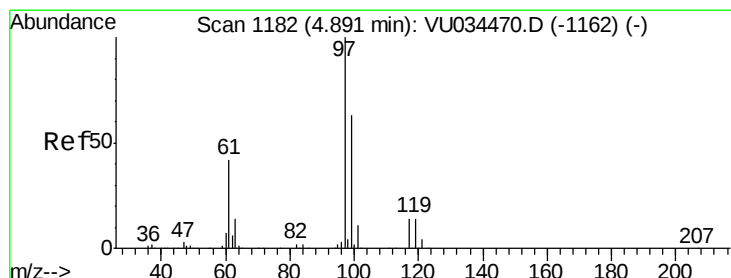
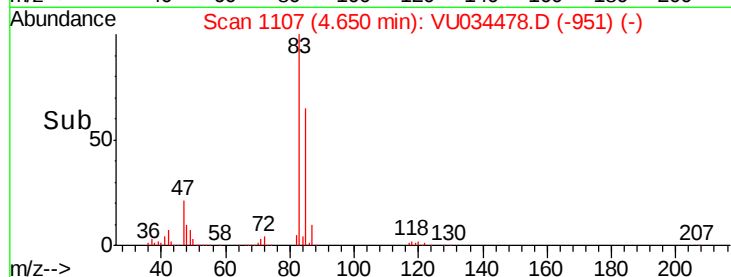
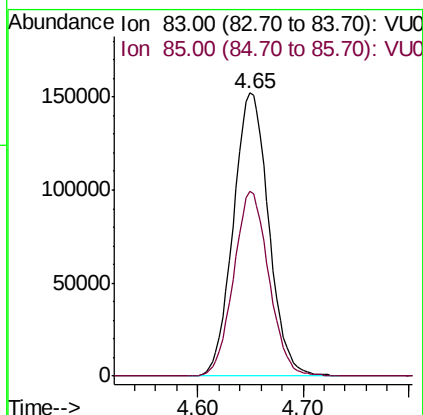
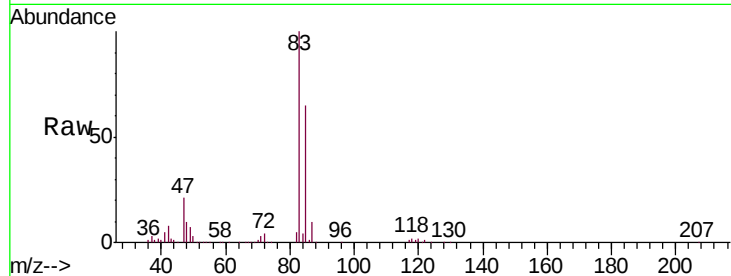




#27
Chloroform
Concen: 8.673 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034478.D
Acq: 11 Sep 2019 15:43

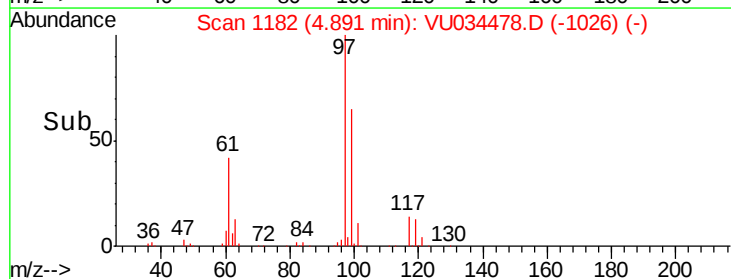
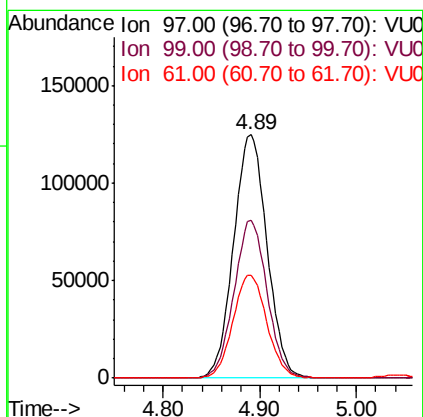
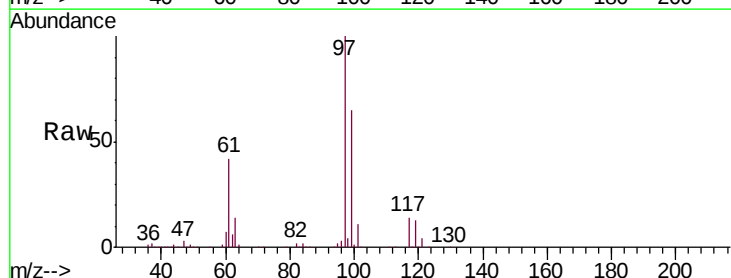
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

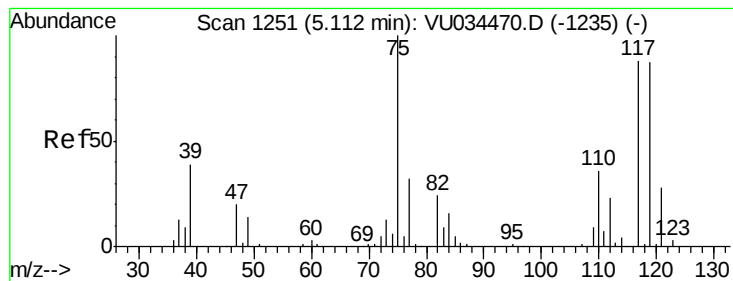
Tgt Ion: 83 Resp: 354576
Ion Ratio Lower Upper
83 100
85 65.4 0.0 130.2



#28
1,1,1-Trichloroethane
Concen: 9.352 ug/l
RT: 4.89 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU034478.D
Acq: 11 Sep 2019 15:43

Tgt Ion: 97 Resp: 299858
Ion Ratio Lower Upper
97 100
99 64.3 32.0 96.2
61 43.1 21.4 64.3





#29

1,1-Dichloropropene

Concen: 9.810 ug/l

RT: 5.11 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

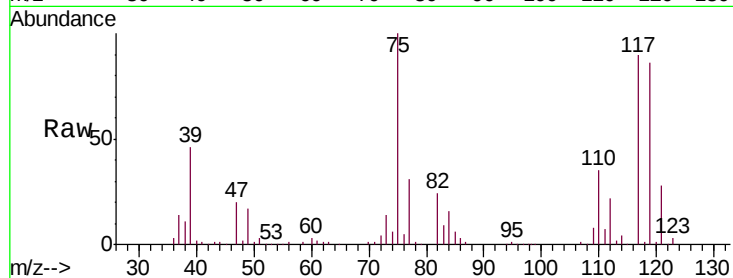
Tgt Ion: 75 Resp: 271814

Ion Ratio Lower Upper

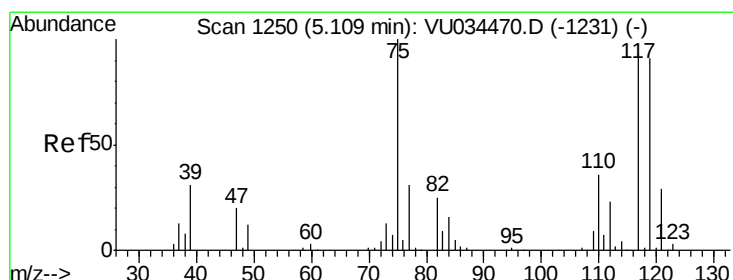
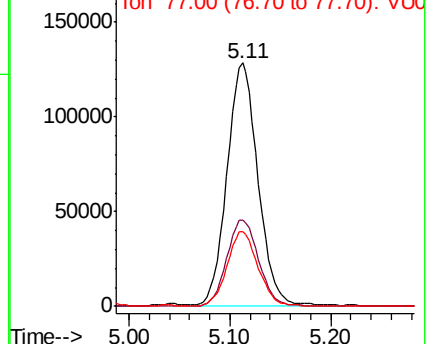
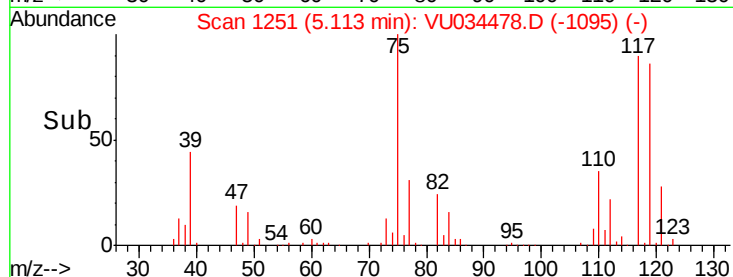
75 100

110 37.0 18.4 55.2

77 30.4 25.0 37.6



Abundance Ion 75.00 (74.70 to 75.70): VU034478.D (-1095) (-)



#30

Carbon Tetrachloride

Concen: 9.441 ug/l

RT: 5.11 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

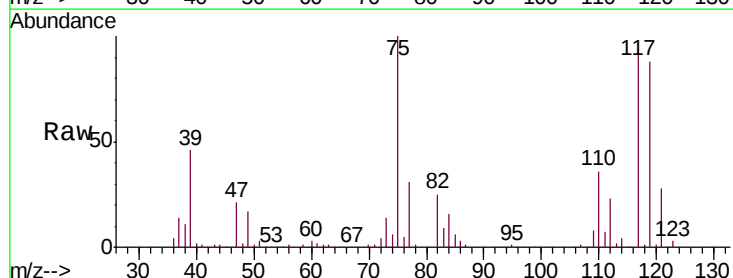
Tgt Ion: 117 Resp: 271272

Ion Ratio Lower Upper

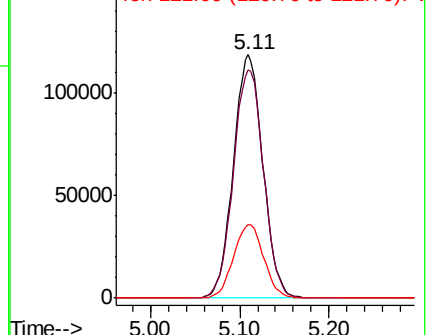
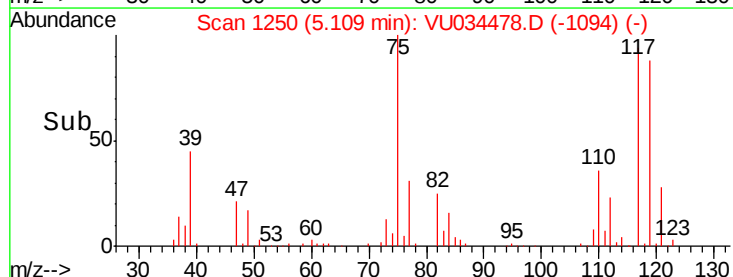
117 100

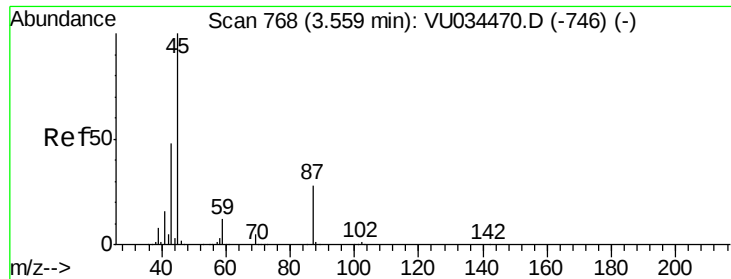
119 93.8 78.5 117.7

121 30.1 25.3 37.9



Abundance Ion 117.00 (116.70 to 117.70): VU034478.D (-1094) (-)





#31

Isopropyl Ether

Concen: 9.683 ug/l

RT: 3.56 min Scan# 768

Delta R.T. 0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

Instrument :

MSVOA_U

ClientSampleId :

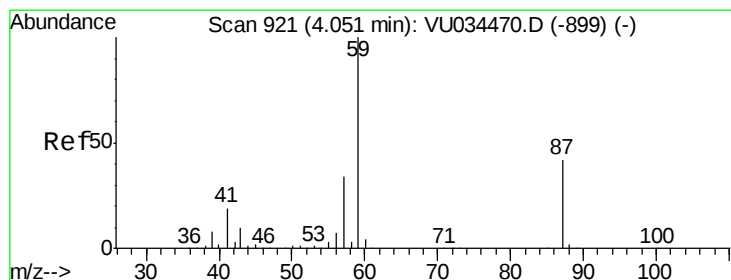
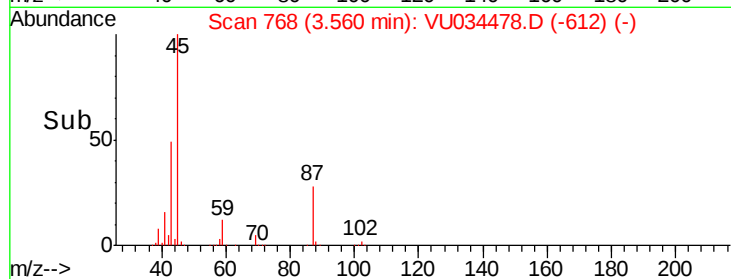
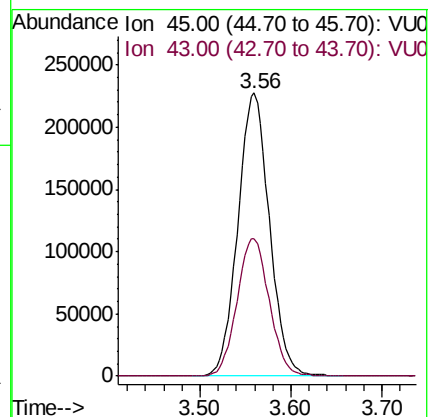
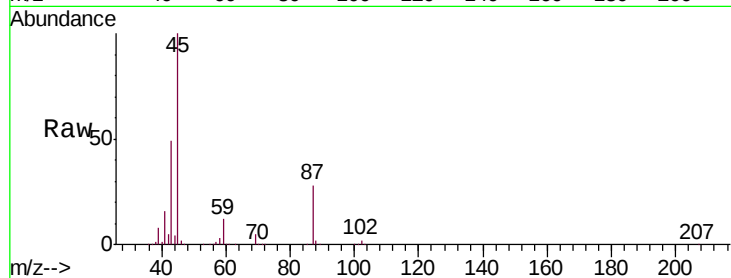
VSTDCCC010EC

Tgt Ion: 45 Resp: 548170

Ion Ratio Lower Upper

45 100

43 49.5 24.8 74.3



#32

Ethyl-t-butyl ether

Concen: 9.943 ug/l

RT: 4.05 min Scan# 921

Delta R.T. 0.00 min

Lab File: VU034478.D

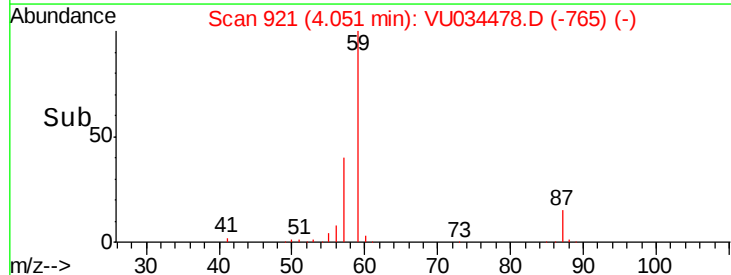
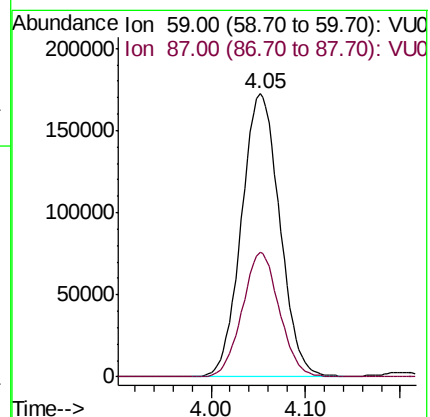
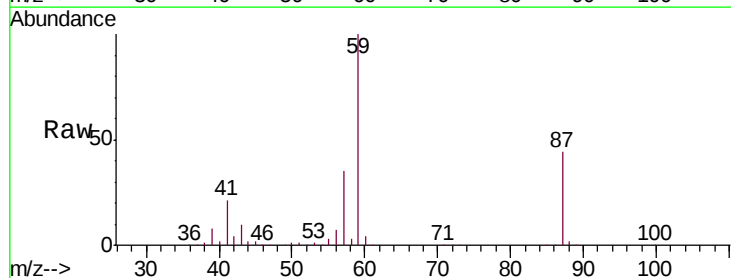
Acq: 11 Sep 2019 15:43

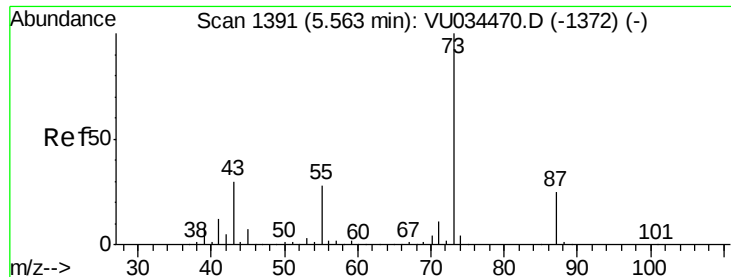
Tgt Ion: 59 Resp: 481680

Ion Ratio Lower Upper

59 100

87 42.5 33.6 50.4

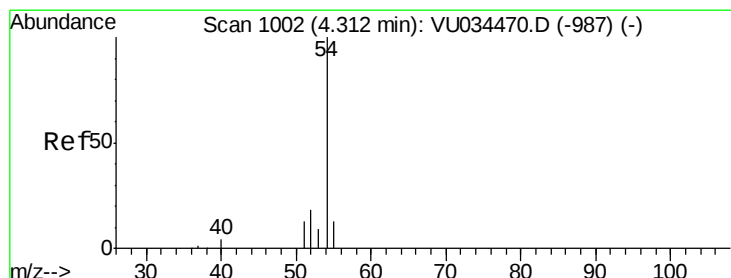
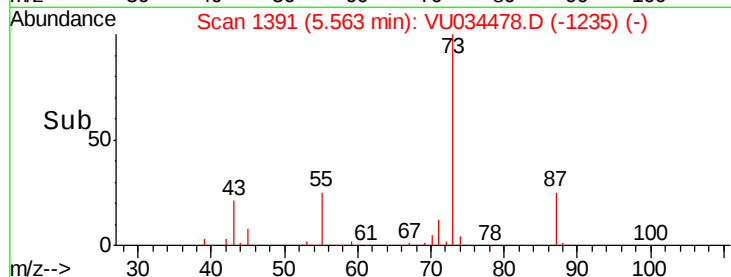
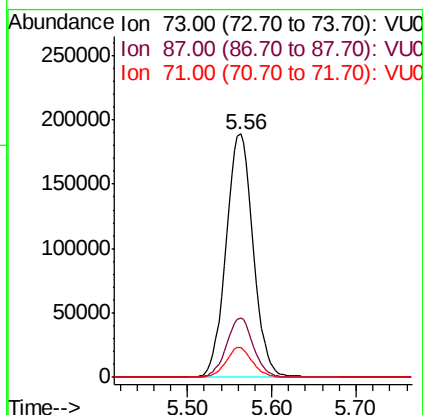
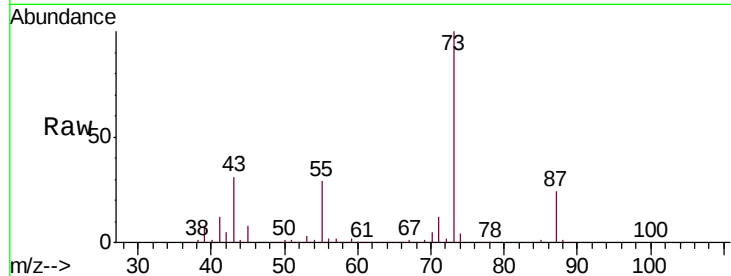




#33
Tert-Amyl methyl ether
Concen: 10.335 ug/l
RT: 5.56 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU034478.D
Acq: 11 Sep 2019 15:43

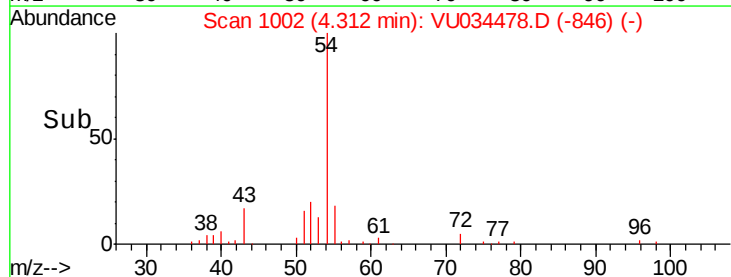
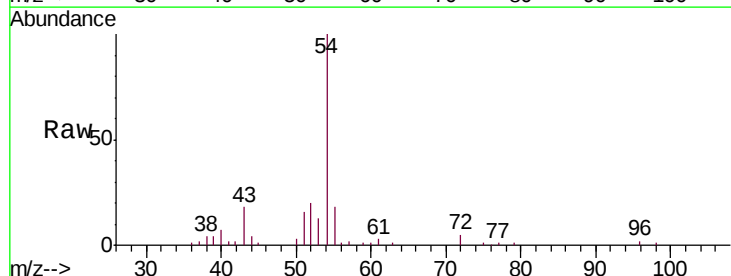
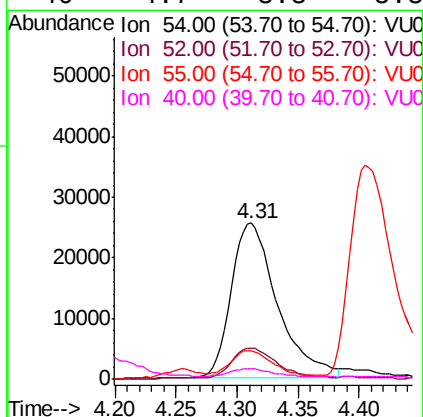
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

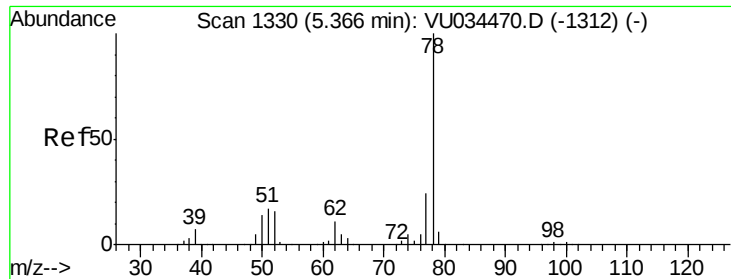
Tgt Ion: 73 Resp: 419418
Ion Ratio Lower Upper
73 100
87 24.1 19.4 29.0
71 12.0 9.3 13.9



#34
Propionitrile
Concen: 51.375 ug/l
RT: 4.31 min Scan# 1002
Delta R.T. 0.00 min
Lab File: VU034478.D
Acq: 11 Sep 2019 15:43

Tgt Ion: 54 Resp: 67380
Ion Ratio Lower Upper
54 100
52 18.9 14.1 21.1
55 14.7 13.3 19.9
40 4.7 3.8 5.8





#35

Benzene

Concen: 9.618 ug/l

RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

Instrument :

MSVOA_U

ClientSampleId :

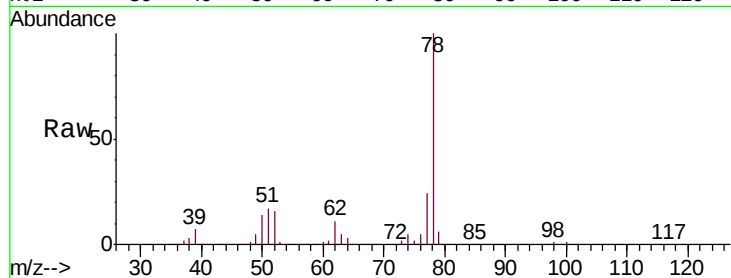
VSTDCCC010EC

Tgt Ion: 78 Resp: 799374

Ion Ratio Lower Upper

78 100

77 24.1 19.3 28.9



Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 77.00 (76.70 to 77.70): VU0

5.37

400000

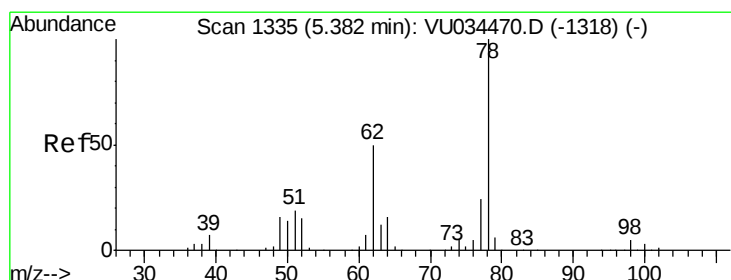
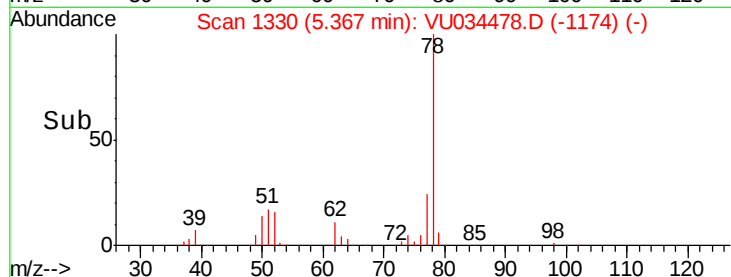
300000

200000

100000

0

Time-->



#36

1,2-Dichloroethane

Concen: 9.574 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU034478.D

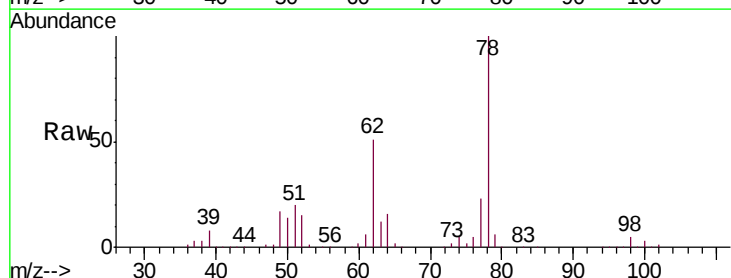
Acq: 11 Sep 2019 15:43

Tgt Ion: 62 Resp: 204362

Ion Ratio Lower Upper

62 100

98 10.0 8.0 12.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

5.38

100000

80000

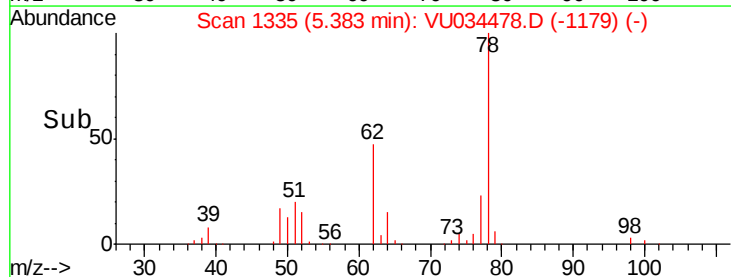
60000

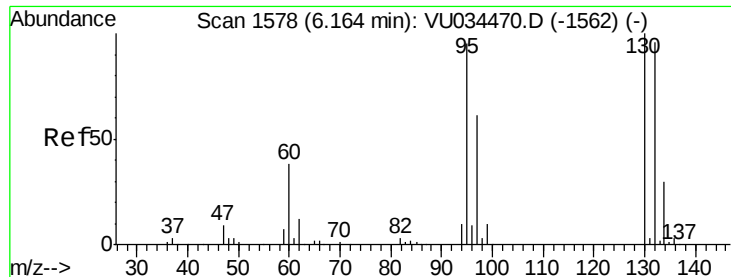
40000

20000

0

Time-->

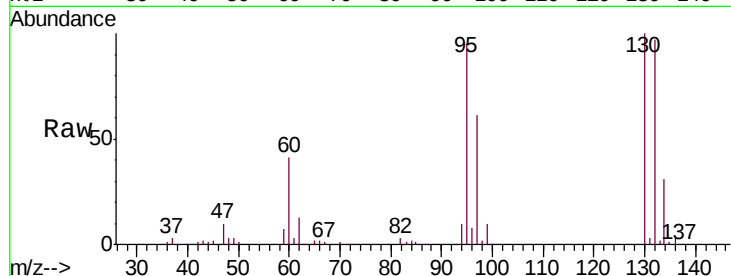




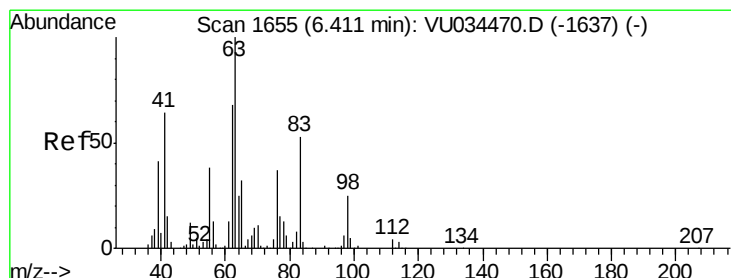
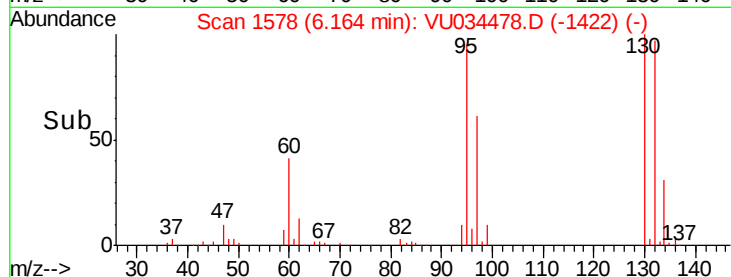
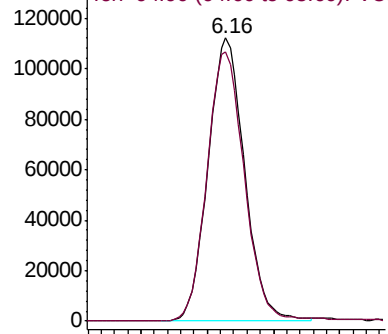
#37
 Trichloroethene
 Concen: 9.241 ug/l
 RT: 6.16 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VU034478.D
 Acq: 11 Sep 2019 15:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:130 Resp: 214869
 Ion Ratio Lower Upper
 130 100
 95 95.1 76.3 114.5

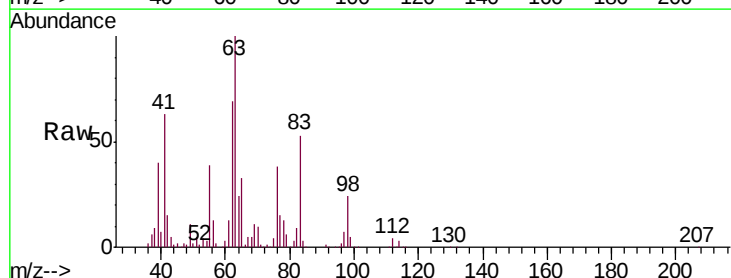


Abundance Ion 129.90 (129.60 to 130.60): VU034478.D (-1562) (-)
 Ion 94.90 (94.60 to 95.60): VU034478.D (-1562) (-)

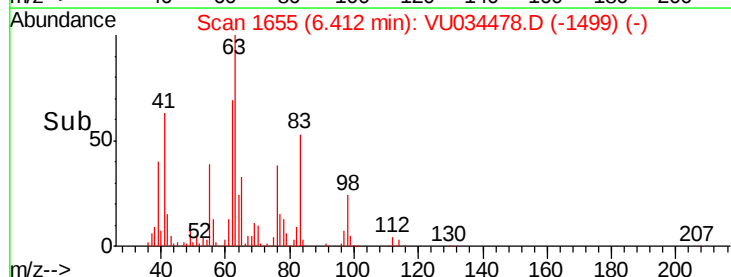
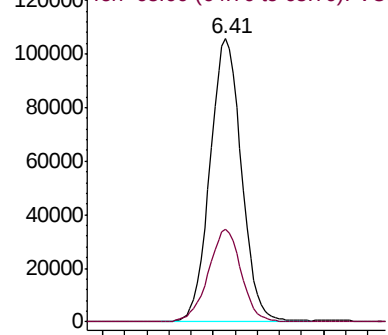


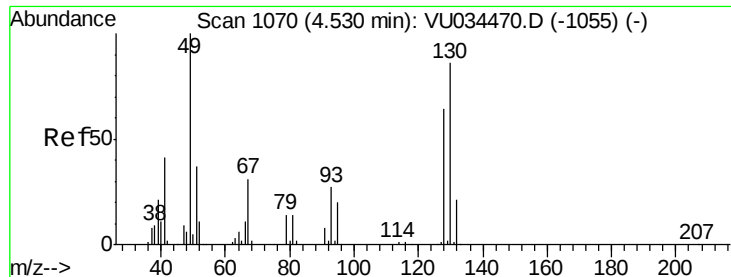
#38
 1,2-Dichloropropane
 Concen: 9.515 ug/l
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU034478.D
 Acq: 11 Sep 2019 15:43

Tgt Ion: 63 Resp: 209469
 Ion Ratio Lower Upper
 63 100
 65 32.7 25.4 38.2



Abundance Ion 63.00 (62.70 to 63.70): VU034478.D (-1499) (-)
 Ion 65.00 (64.70 to 65.70): VU034478.D (-1499) (-)

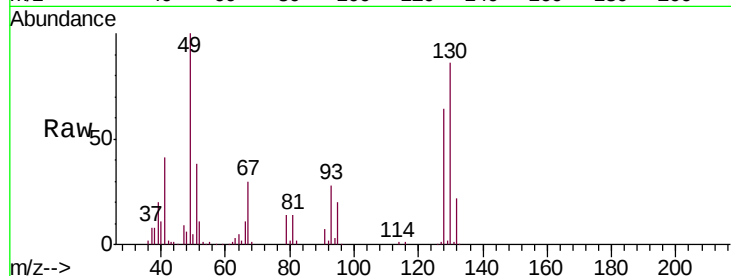




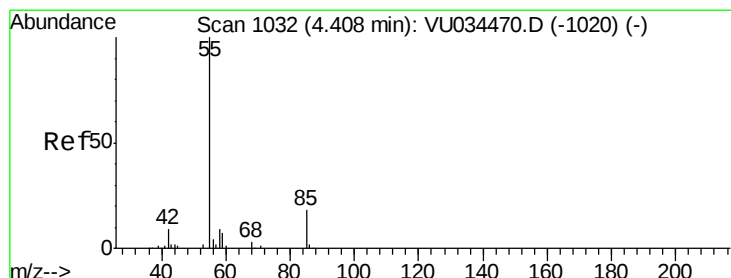
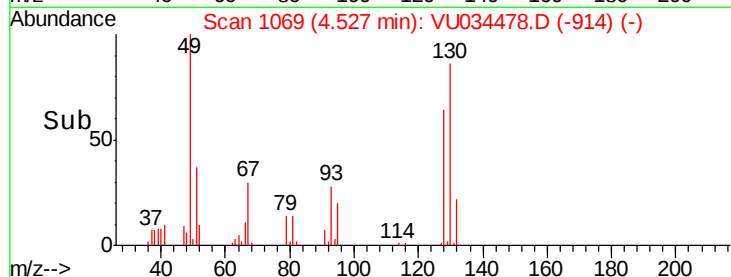
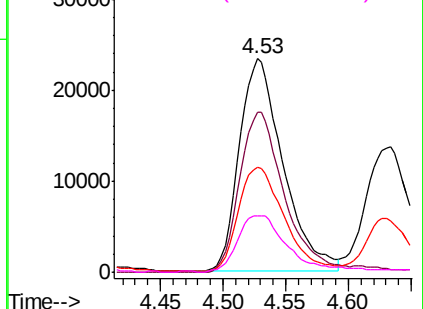
#39
Methacrylonitrile
Concen: 10.382 ug/l
RT: 4.53 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VU034478.D
Acq: 11 Sep 2019 15:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tgt Ion:	41	Resp:	56347
Ion	Ratio	Lower	Upper
41	100		
67	77.0	62.6	94.0
39	51.0	41.6	62.4
52	30.8	25.3	37.9

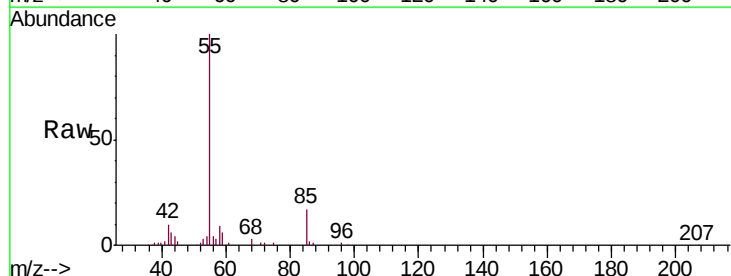


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

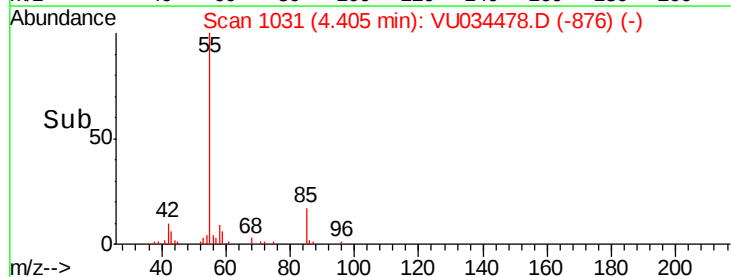
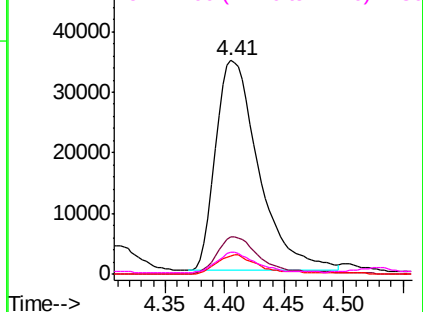


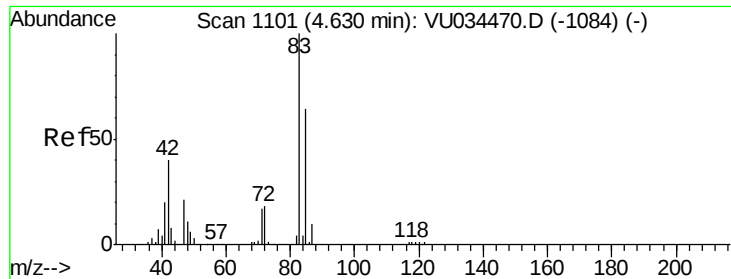
#40
Methyl acrylate
Concen: 10.613 ug/l
RT: 4.41 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VU034478.D
Acq: 11 Sep 2019 15:43

Tgt Ion:	55	Resp:	87762
Ion	Ratio	Lower	Upper
55	100		
85	17.2	13.8	20.6
58	8.2	7.0	10.6
42	8.9	6.9	10.3



Abundance Ion 55.00 (54.70 to 55.70): VU0
Ion 85.00 (84.70 to 85.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 42.00 (41.70 to 42.70): VU0

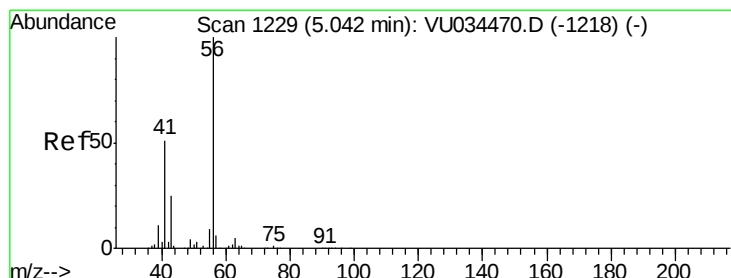
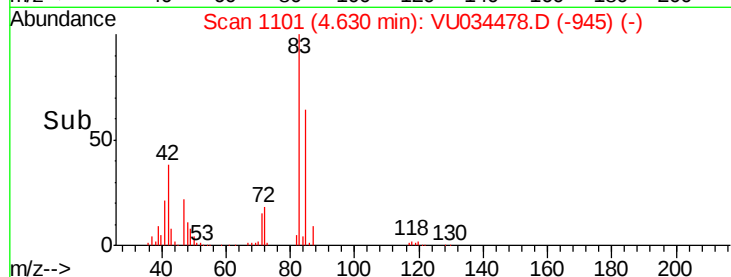
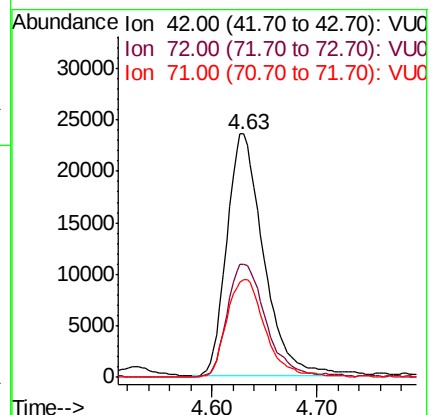
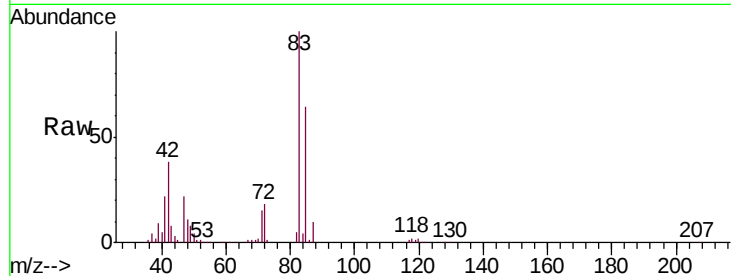




#41
Tetrahydrofuran
Concen: 20.408 ug/l
RT: 4.63 min Scan# 1101
Delta R.T. 0.00 min
Lab File: VU034478.D
Acq: 11 Sep 2019 15:43

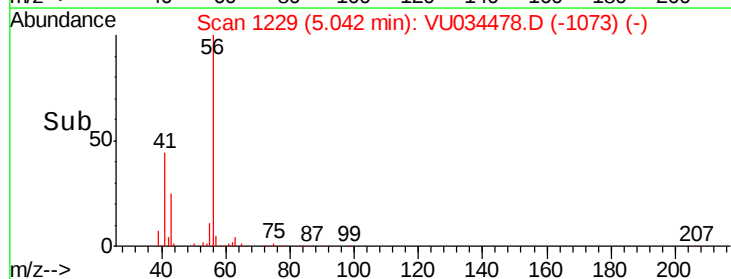
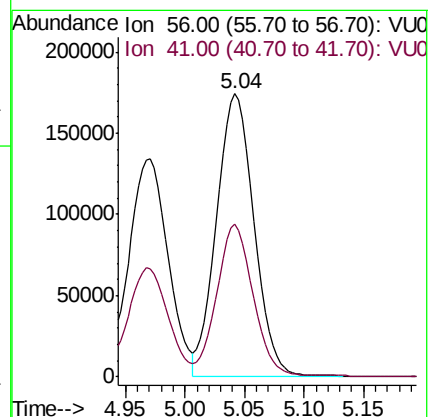
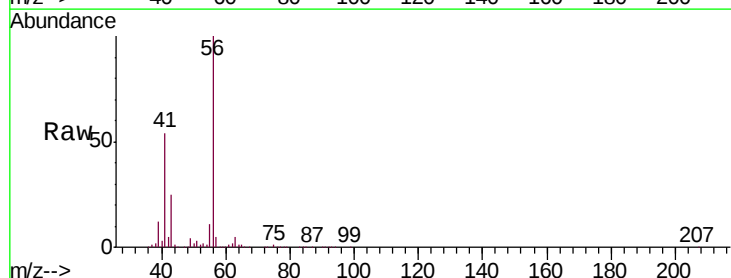
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

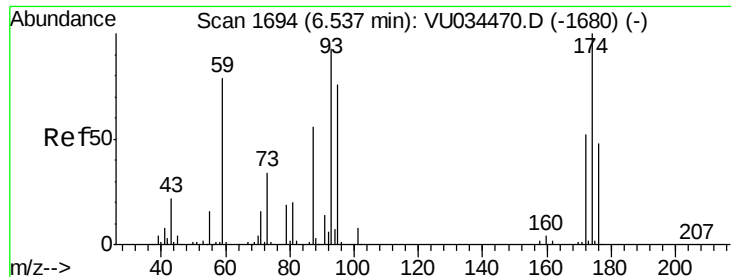
Tgt Ion: 42 Resp: 56747
Ion Ratio Lower Upper
42 100
72 49.1 39.6 59.4
71 42.6 33.6 50.4



#42
1-Chlorobutane
Concen: 10.064 ug/l
RT: 5.04 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VU034478.D
Acq: 11 Sep 2019 15:43

Tgt Ion: 56 Resp: 378940
Ion Ratio Lower Upper
56 100
41 51.4 25.5 76.5





#43

Dibromomethane

Concen: 9.391 ug/l

RT: 6.54 min Scan# 1694

Delta R.T. 0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

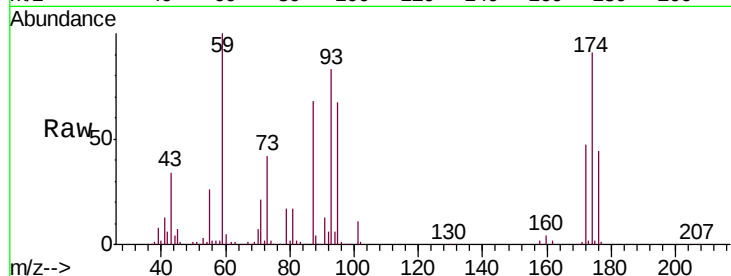
Tgt Ion: 93 Resp: 97312

Ion Ratio Lower Upper

93 100

95 81.7 67.1 100.7

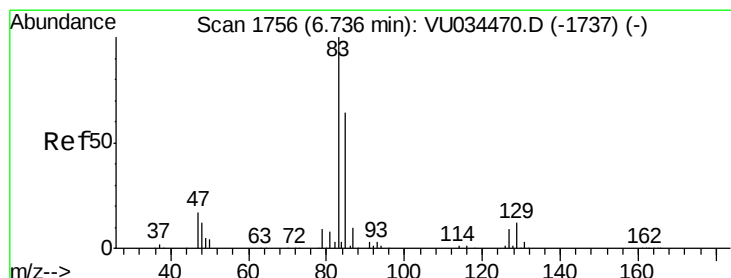
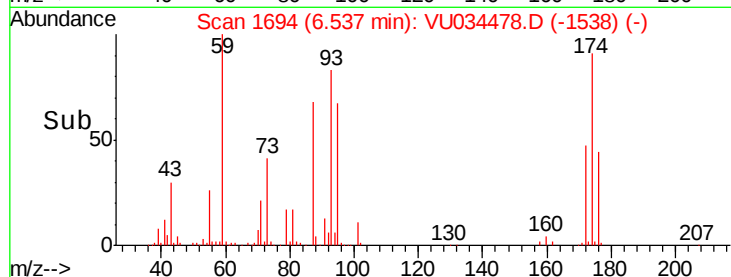
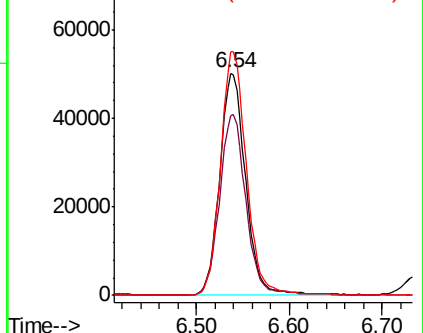
174 109.1 88.7 133.1



Abundance Ion 93.00 (92.70 to 93.70): VU034478.D (-1680) (-)

Ion 95.00 (94.70 to 95.70): VU034478.D (-1680) (-)

Ion 174.00 (173.70 to 174.70): VU034478.D (-1680) (-)



#44

Bromodichloromethane

Concen: 9.381 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

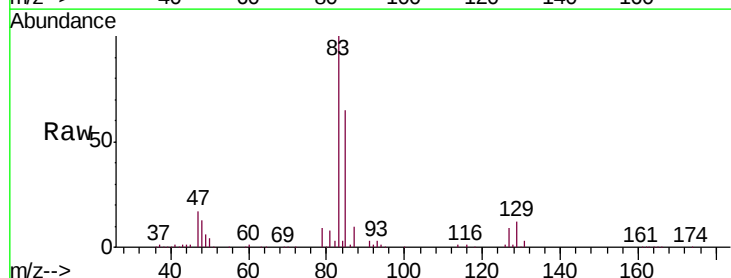
Tgt Ion: 83 Resp: 249790

Ion Ratio Lower Upper

83 100

85 64.8 51.1 76.7

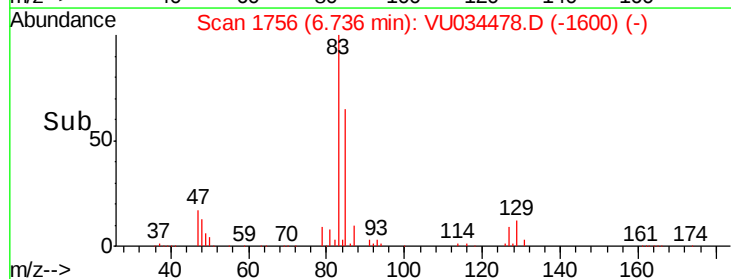
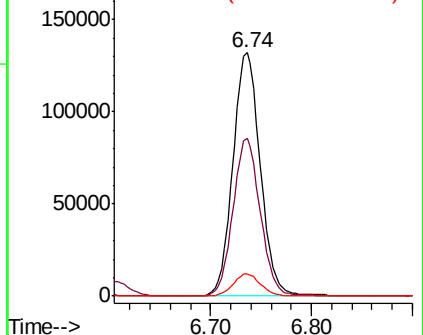
127 9.2 7.1 10.7

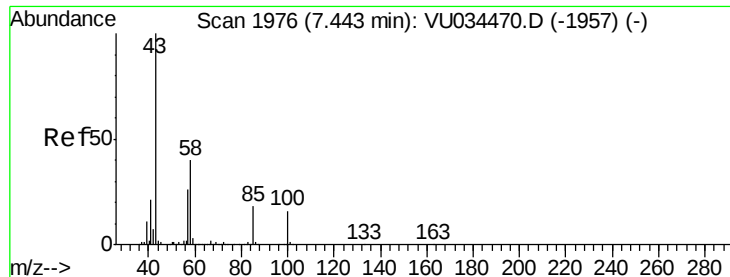


Abundance Ion 83.00 (82.70 to 83.70): VU034478.D (-1600) (-)

Ion 85.00 (84.70 to 85.70): VU034478.D (-1600) (-)

Ion 127.00 (126.70 to 127.70): VU034478.D (-1600) (-)

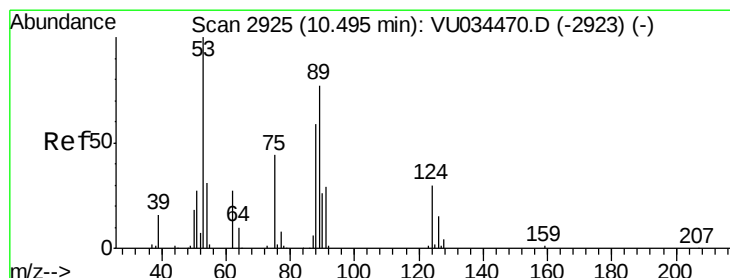
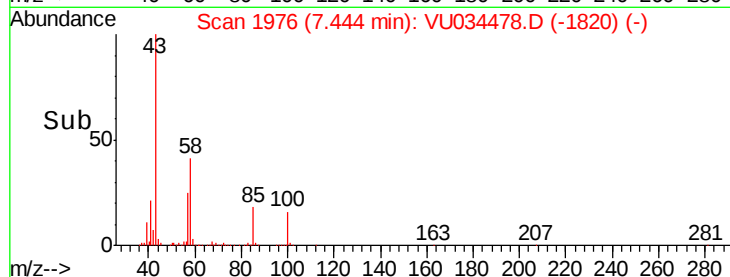
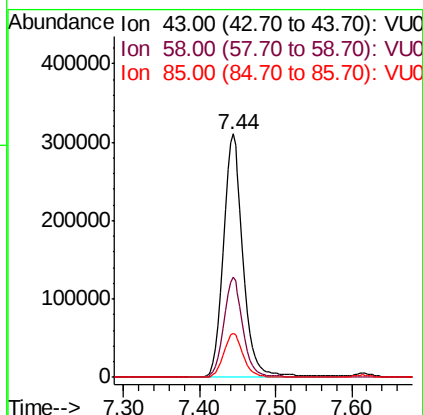
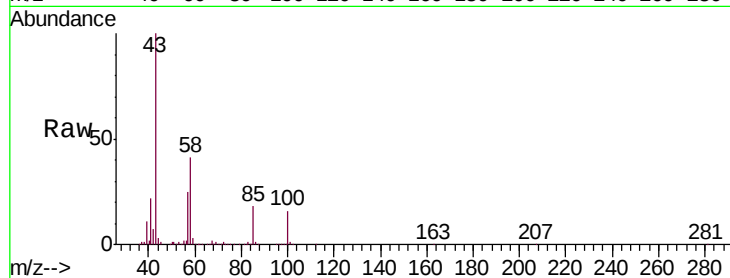




#45
 4-Methyl-2-Pentanone
 Concen: 52.716 ug/l
 RT: 7.44 min Scan# 1976
 Delta R.T. 0.00 min
 Lab File: VU034478.D
 Acq: 11 Sep 2019 15:43

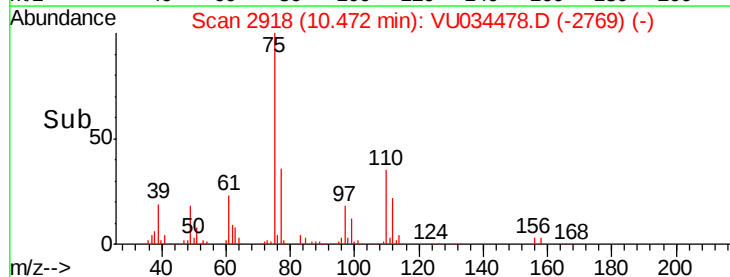
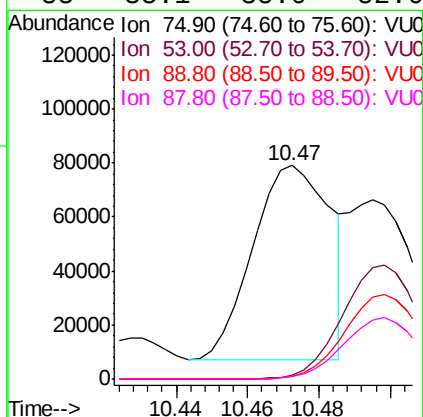
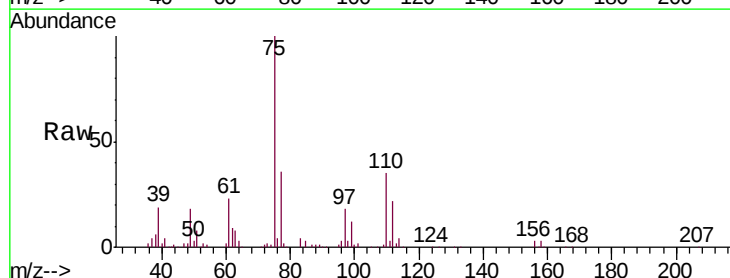
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

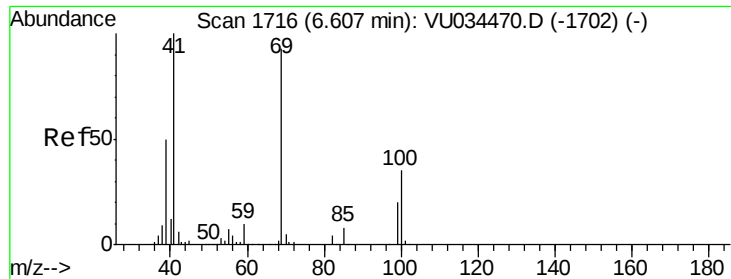
Tgt Ion: 43 Resp: 553877
 Ion Ratio Lower Upper
 43 100
 58 40.5 20.2 60.6
 85 18.2 14.6 21.8



#46
 t-1,4-Dichloro-2-butene
 Concen: 25.869 ug/l
 RT: 10.47 min Scan# 2918
 Delta R.T. -0.02 min
 Lab File: VU034478.D
 Acq: 11 Sep 2019 15:43

Tgt Ion: 75 Resp: 108333
 Ion Ratio Lower Upper
 75 100
 53 62.2 63.3 94.9#
 89 45.3 46.2 69.2#
 88 33.1 35.0 52.6#

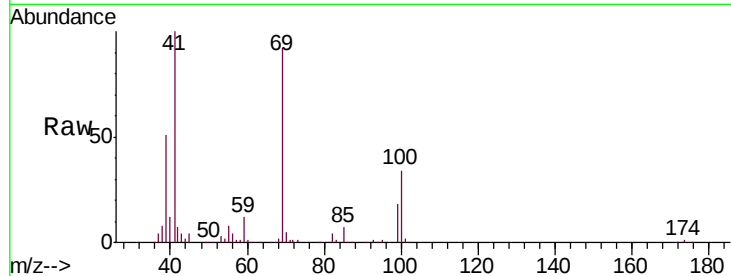




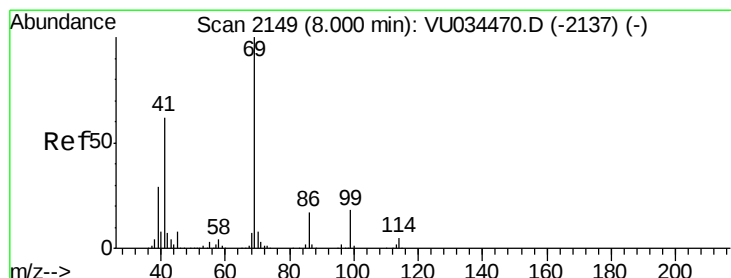
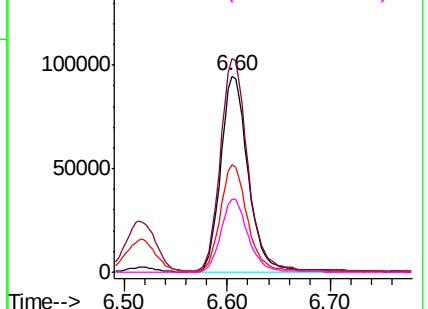
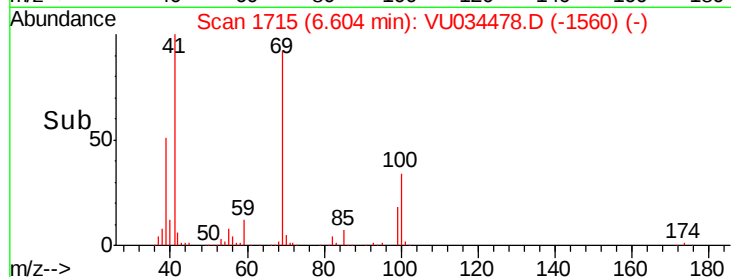
#47
Methyl methacrylate
Concen: 21.315 ug/l
RT: 6.60 min Scan# 1715
Delta R.T. -0.00 min
Lab File: VU034478.D
Acq: 11 Sep 2019 15:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 69 Resp: 176188
Ion Ratio Lower Upper
69 100
41 107.3 0.0 212.8
39 52.7 43.0 64.4
100 37.3 30.1 45.1

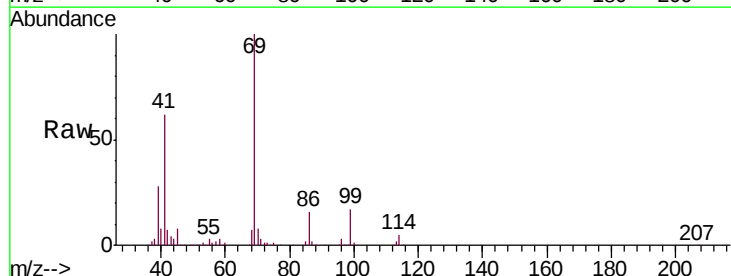


Abundance Ion 69.00 (68.70 to 69.70): VU0
Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

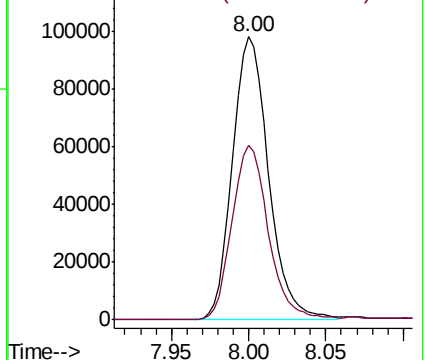
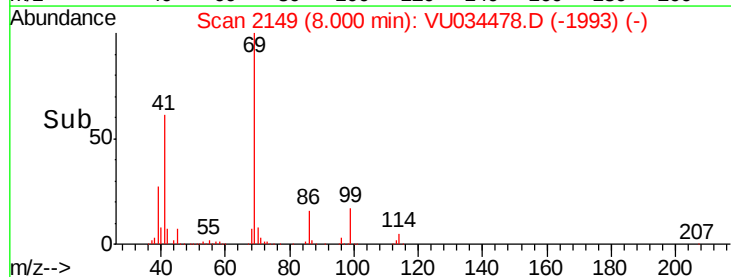


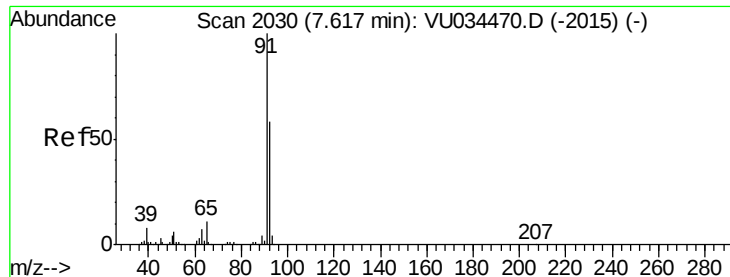
#48
Ethyl methacrylate
Concen: 10.763 ug/l
RT: 8.00 min Scan# 2149
Delta R.T. 0.00 min
Lab File: VU034478.D
Acq: 11 Sep 2019 15:43

Tgt Ion: 69 Resp: 159859
Ion Ratio Lower Upper
69 100
41 61.6 30.6 91.8



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





#49

Toluene

Concen: 10.198 ug/l

RT: 7.61 min Scan# 2029

Delta R.T. -0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

Instrument :

MSVOA_U

ClientSampleId :

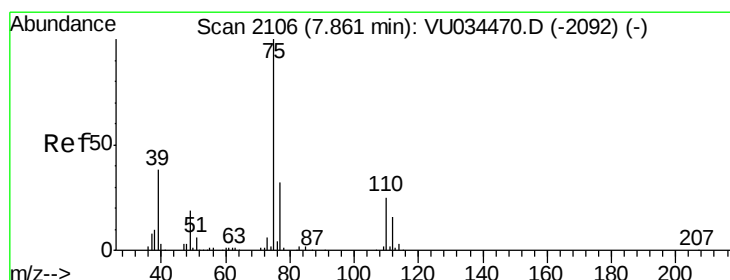
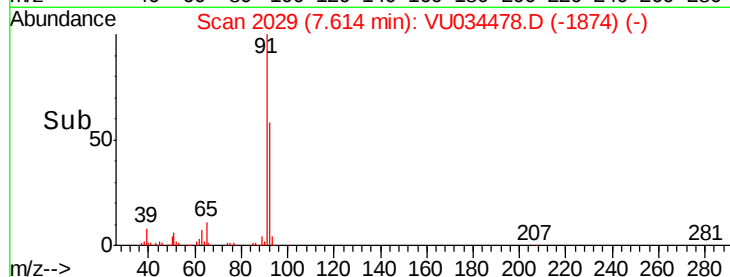
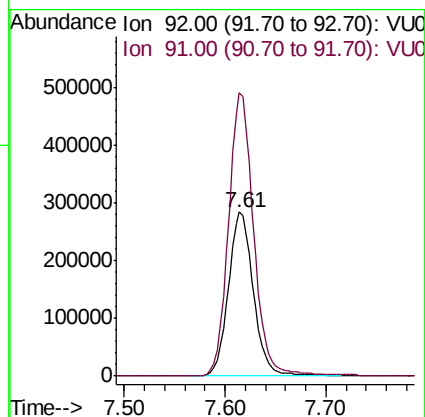
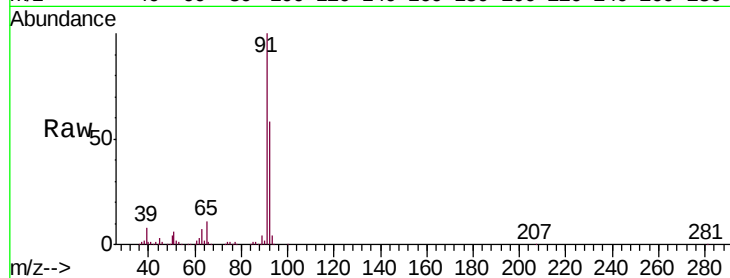
VSTDCCC010EC

Tgt Ion: 92 Resp: 494466

Ion Ratio Lower Upper

92 100

91 173.7 138.6 208.0



#50

t-1,3-Dichloropropene

Concen: 10.043 ug/l

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VU034478.D

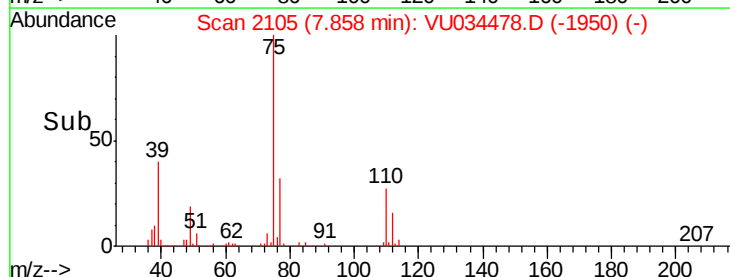
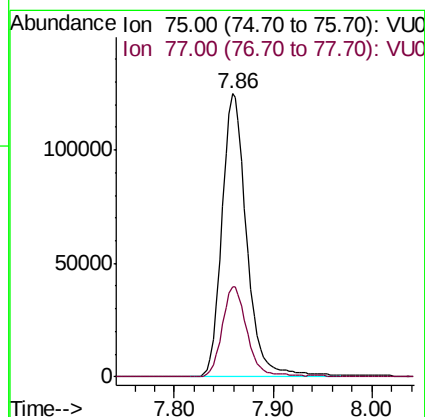
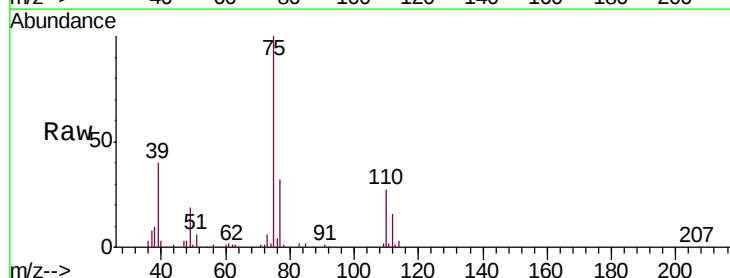
Acq: 11 Sep 2019 15:43

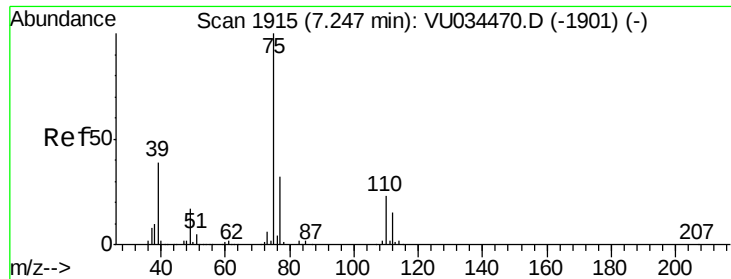
Tgt Ion: 75 Resp: 220185

Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.0

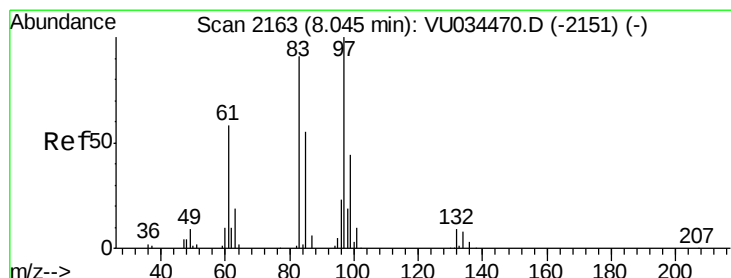
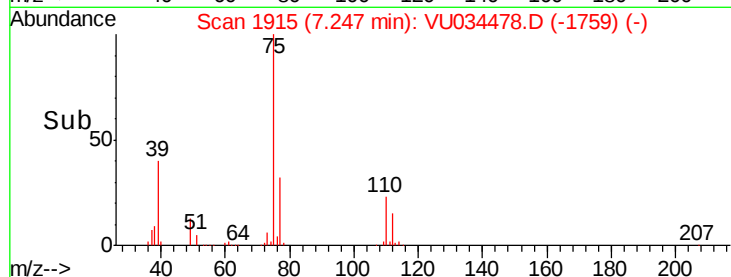
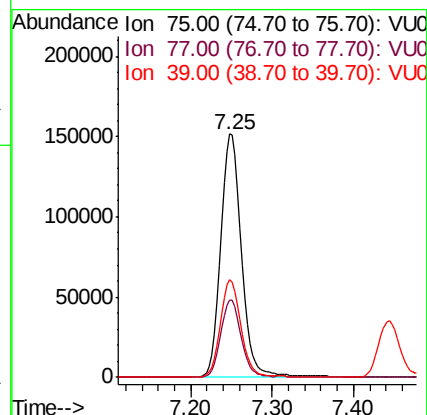
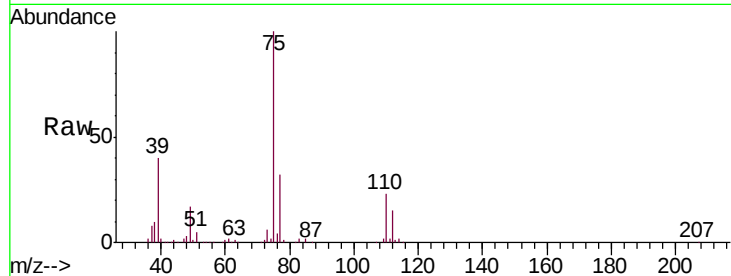




#51
 cis-1,3-Dichloropropene
 Concen: 9.990 ug/l
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VU034478.D
 Acq: 11 Sep 2019 15:43

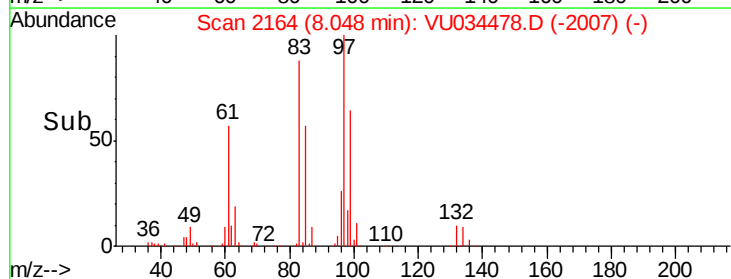
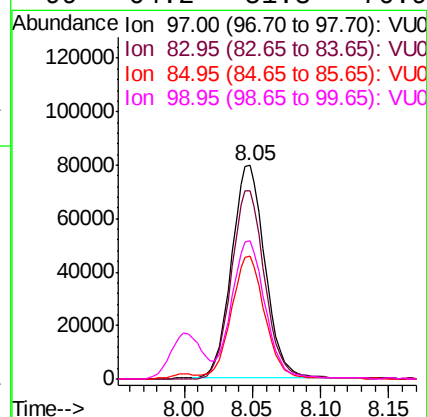
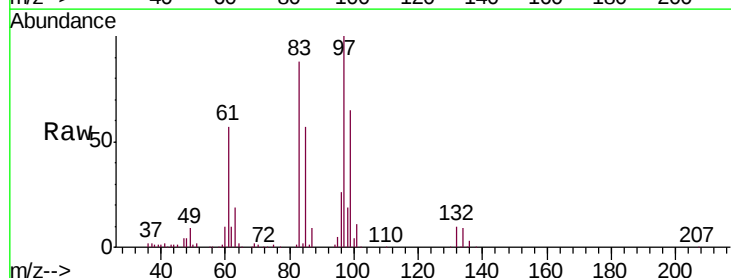
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

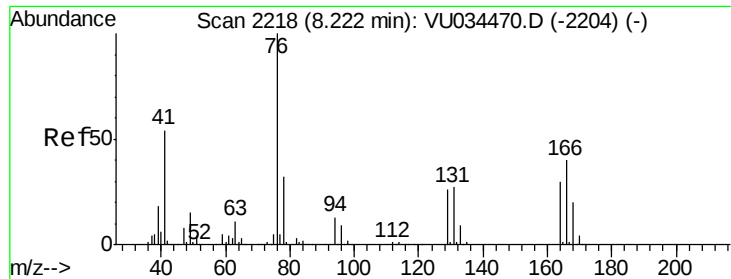
Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.3	37.9
39	40.2	31.0	46.4



#52
 1,1,2-Trichloroethane
 Concen: 9.437 ug/l
 RT: 8.05 min Scan# 2164
 Delta R.T. 0.00 min
 Lab File: VU034478.D
 Acq: 11 Sep 2019 15:43

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.6	72.5	108.7
85	57.3	45.4	68.0
99	64.2	51.3	76.9

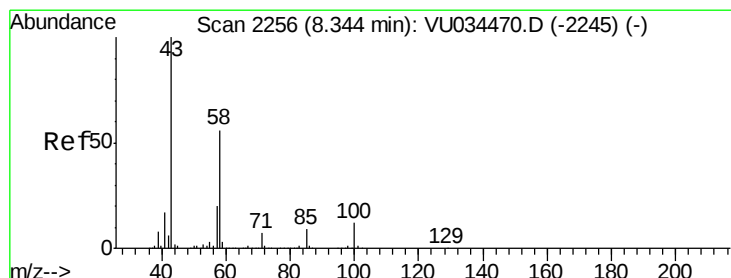
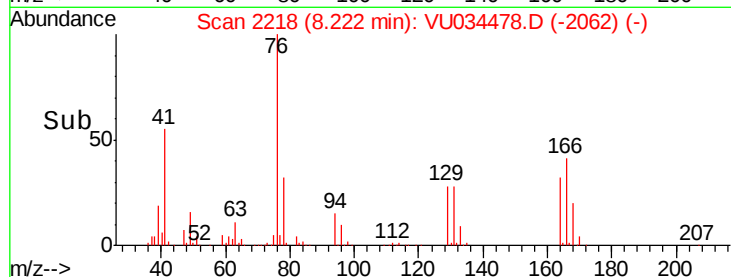
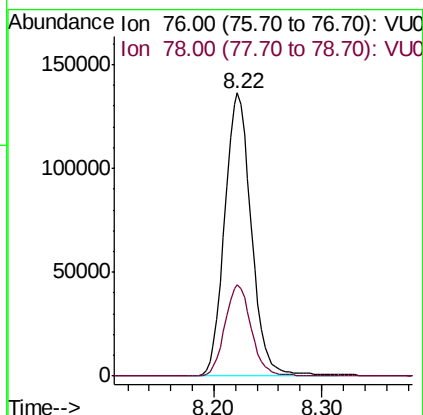
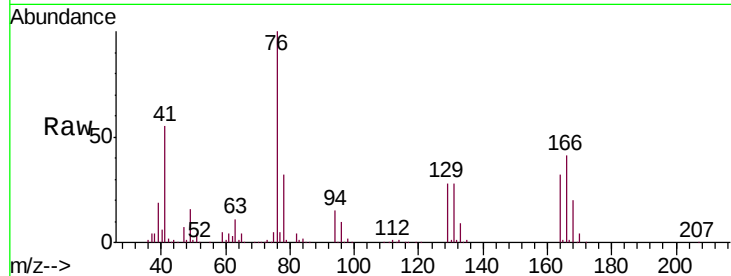




#53
 1,3-Dichloropropane
 Concen: 9.778 ug/l
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU034478.D
 Acq: 11 Sep 2019 15:43

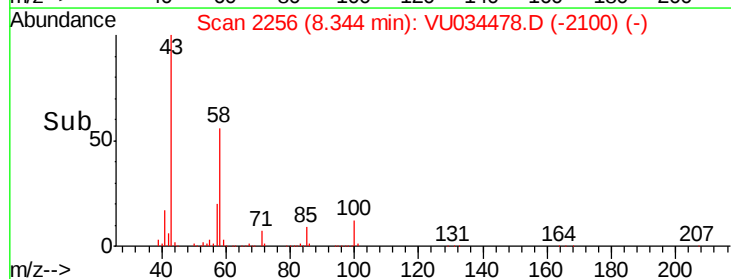
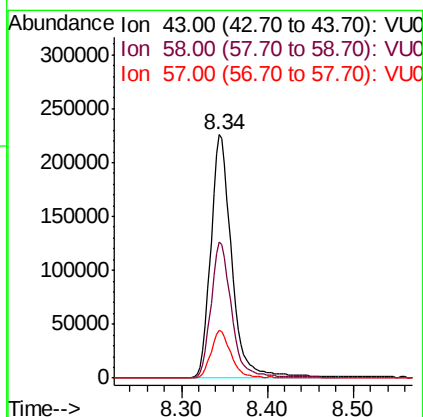
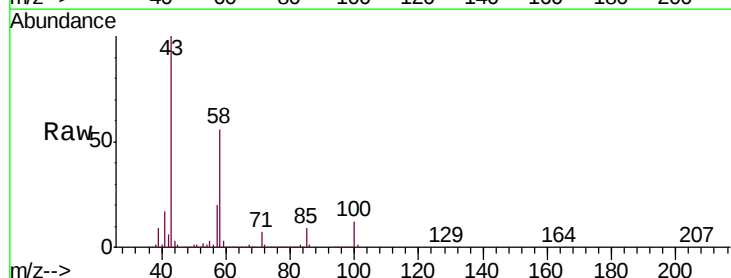
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

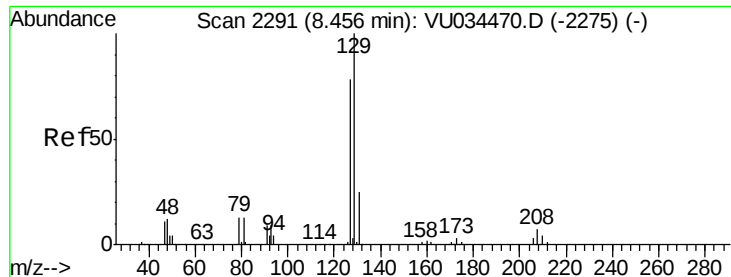
Tgt Ion: 76 Resp: 235301
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.1 39.1



#54
 2-Hexanone
 Concen: 54.511 ug/l
 RT: 8.34 min Scan# 2256
 Delta R.T. 0.00 min
 Lab File: VU034478.D
 Acq: 11 Sep 2019 15:43

Tgt Ion: 43 Resp: 383920
 Ion Ratio Lower Upper
 43 100
 58 55.5 36.4 76.4
 57 18.9 0.0 39.5





#55

Dibromochloromethane

Concen: 9.796 ug/l

RT: 8.46 min Scan# 2291

Delta R.T. 0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

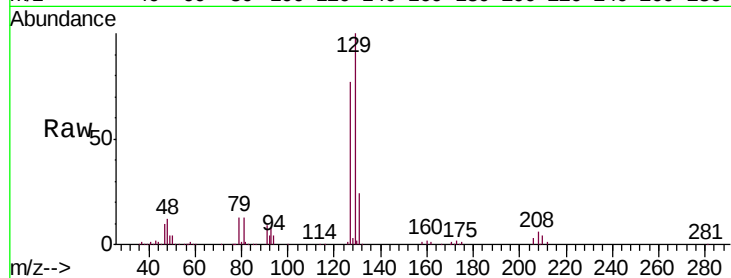
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tgt Ion:129 Resp: 171293

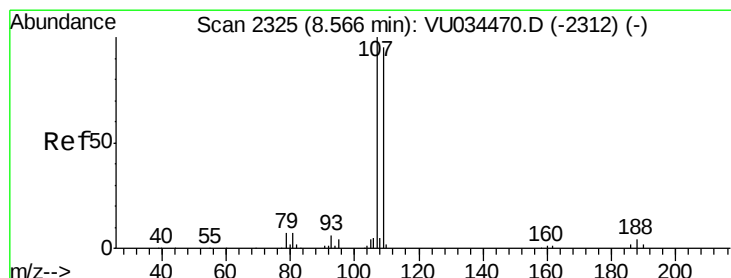
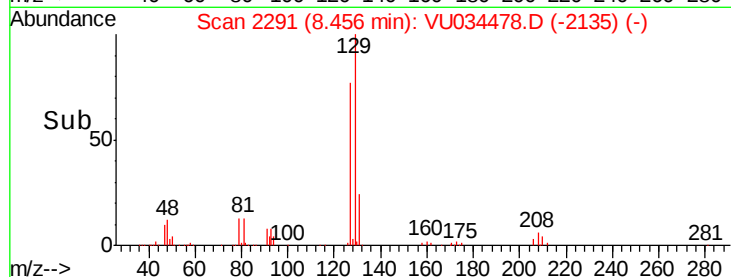
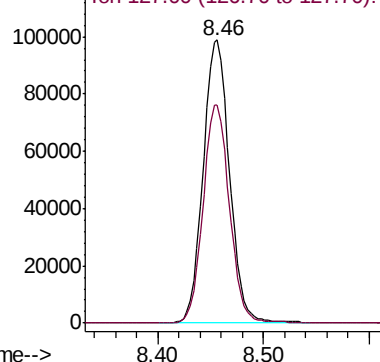
Ion Ratio Lower Upper

129 100

127 76.8 60.9 91.3



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



#56

1,2-Dibromoethane

Concen: 9.625 ug/l

RT: 8.57 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU034478.D

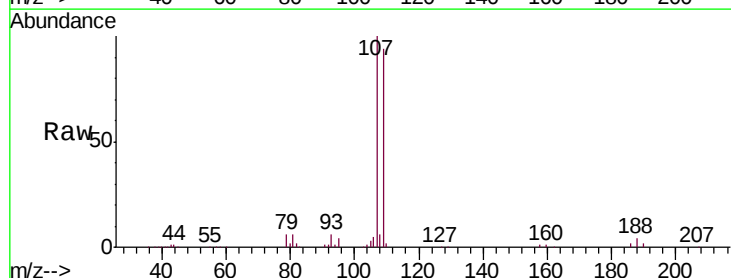
Acq: 11 Sep 2019 15:43

Tgt Ion:107 Resp: 127090

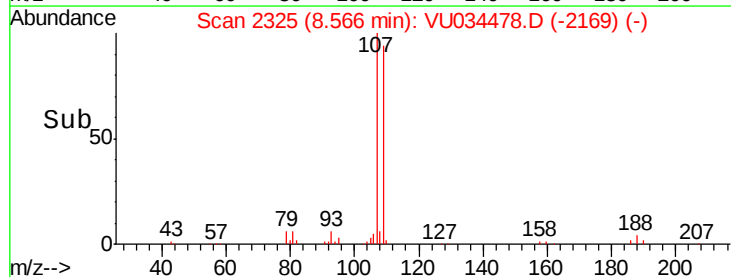
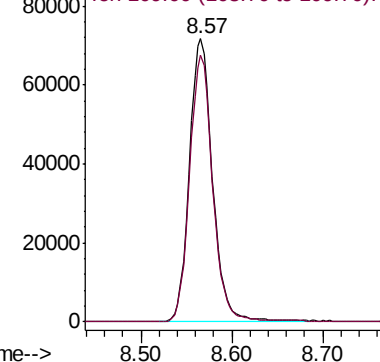
Ion Ratio Lower Upper

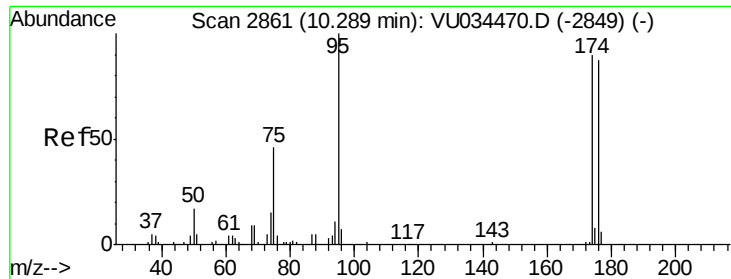
107 100

109 94.4 0.0 190.8



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V

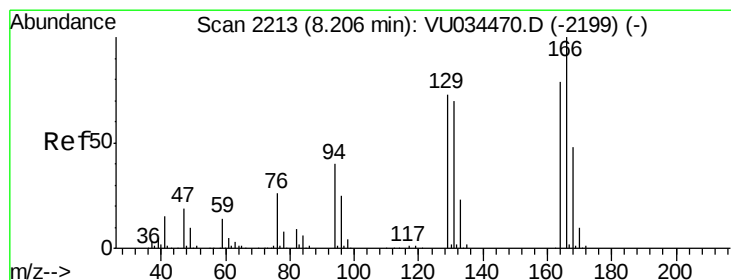
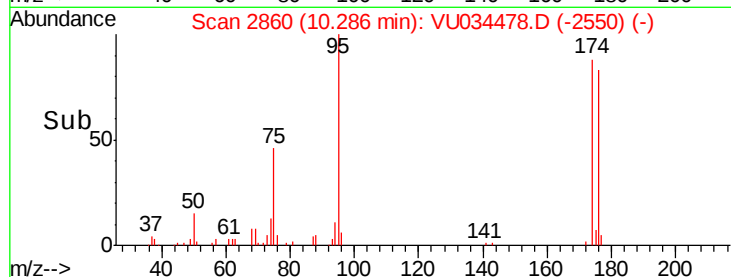
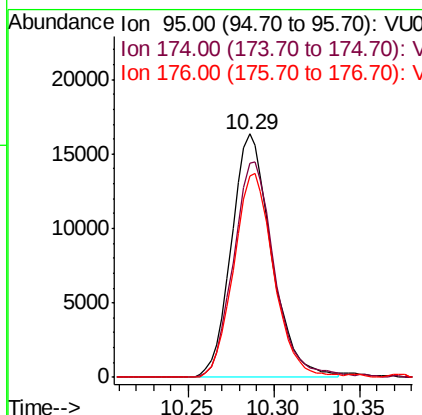
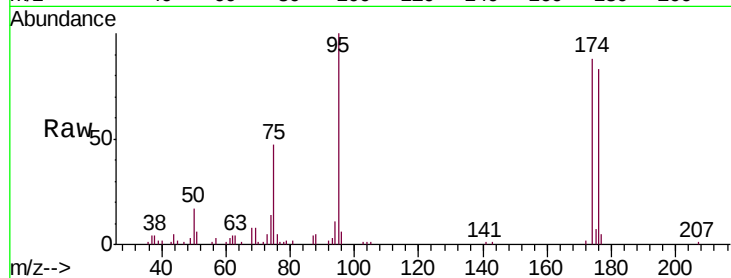




#57
4-Bromofluorobenzene
Concen: 0.987 ug/l
RT: 10.29 min Scan# 2860
Delta R.T. -0.00 min
Lab File: VU034478.D
Acq: 11 Sep 2019 15:43

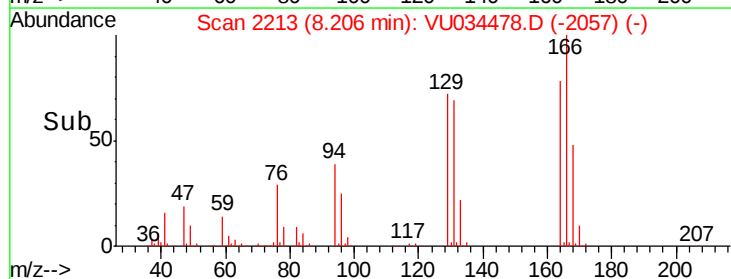
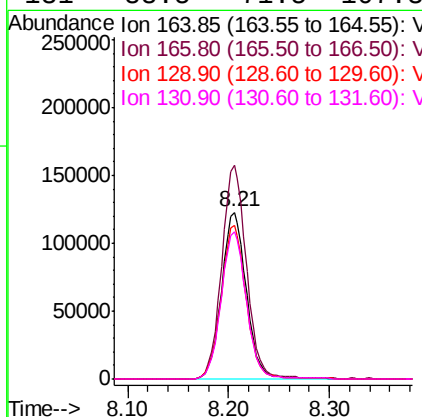
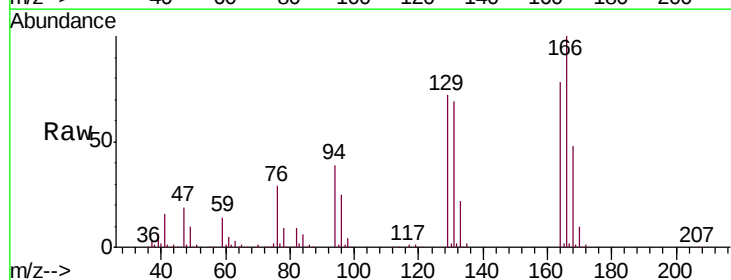
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

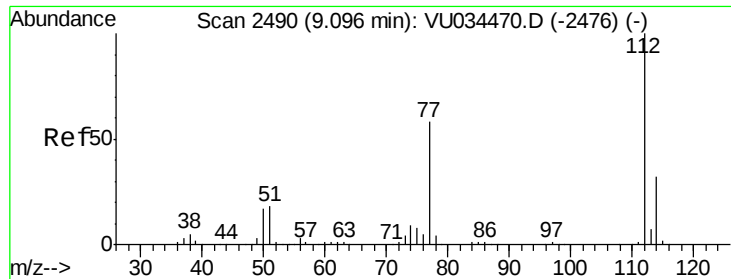
Tgt Ion: 95 Resp: 26481
Ion Ratio Lower Upper
95 100
174 90.4 70.1 105.1
176 83.5 67.7 101.5



#58
Tetrachloroethene
Concen: 9.591 ug/l
RT: 8.21 min Scan# 2213
Delta R.T. 0.00 min
Lab File: VU034478.D
Acq: 11 Sep 2019 15:43

Tgt Ion: 164 Resp: 211905
Ion Ratio Lower Upper
164 100
166 127.9 101.5 152.3
129 92.1 73.8 110.8
131 88.5 71.5 107.3





#59

Chlorobenzene

Concen: 9.961 ug/l

RT: 9.10 min Scan# 2490

Delta R.T. 0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

Instrument :

MSVOA_U

ClientSampleId :

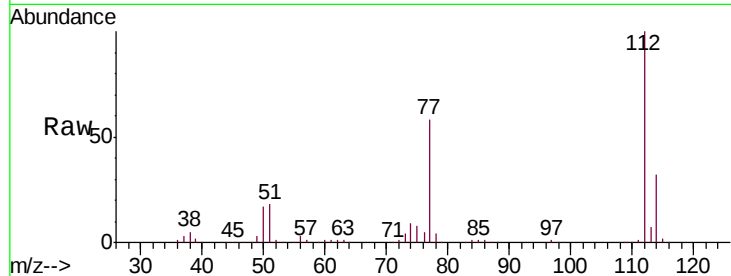
VSTDCCC010EC

Tgt Ion:112 Resp: 538110

Ion Ratio Lower Upper

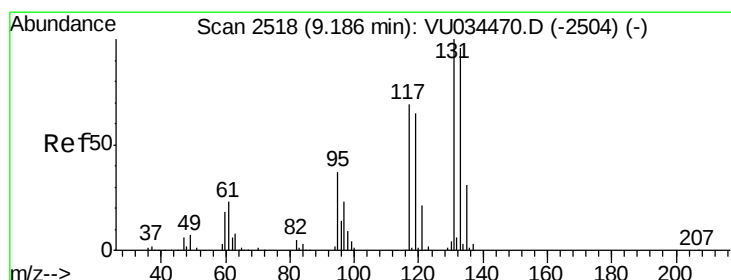
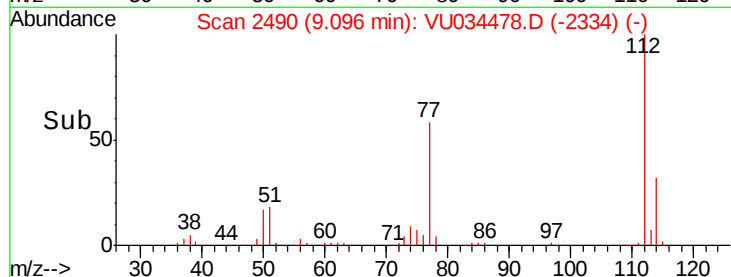
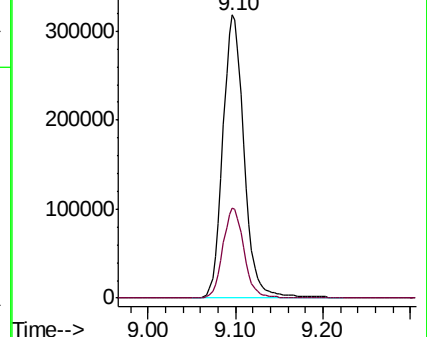
112 100

114 32.0 25.6 38.4



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#60

1,1,1,2-Tetrachloroethane

Concen: 9.408 ug/l

RT: 9.19 min Scan# 2518

Delta R.T. 0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

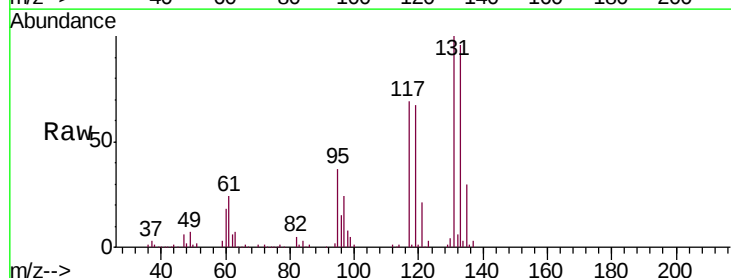
Tgt Ion:131 Resp: 188228

Ion Ratio Lower Upper

131 100

133 96.5 76.8 115.2

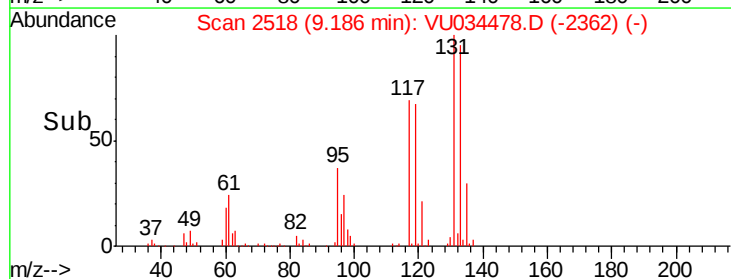
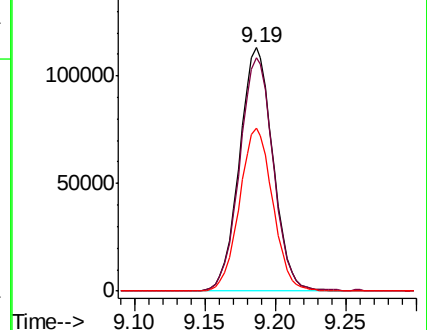
119 66.4 52.4 78.6

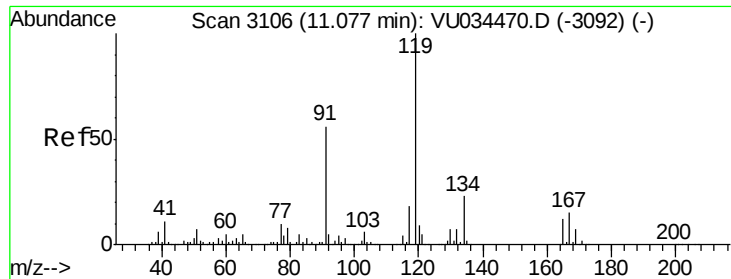


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#61

Pentachloroethane

Concen: 9.244 ug/l

RT: 11.08 min Scan# 3106

Delta R.T. 0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

Instrument :

MSVOA_U

ClientSampleId :

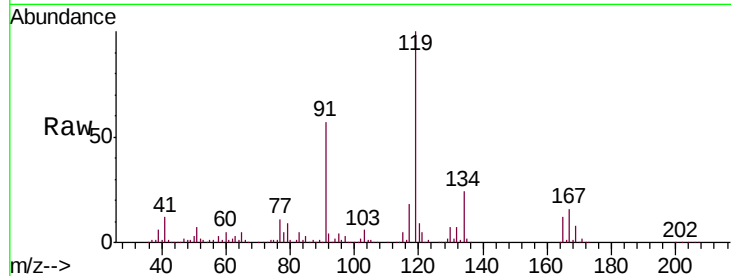
VSTDCCC010EC

Tgt Ion:117 Resp: 149701

Ion Ratio Lower Upper

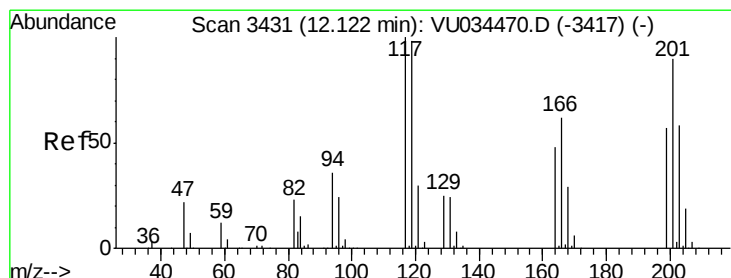
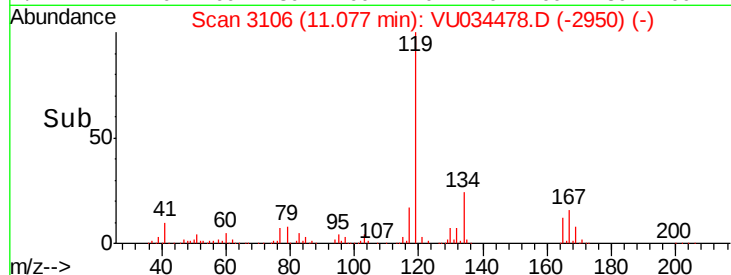
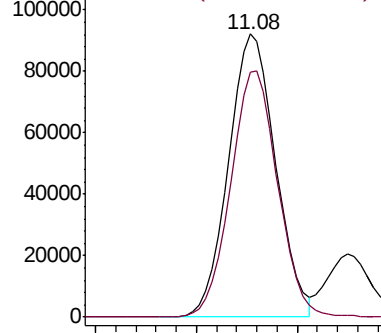
117 100

167 87.0 70.7 106.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 9.630 ug/l

RT: 12.12 min Scan# 3431

Delta R.T. 0.00 min

Lab File: VU034478.D

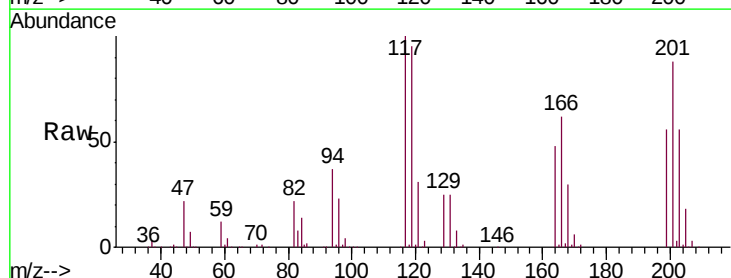
Acq: 11 Sep 2019 15:43

Tgt Ion:117 Resp: 138491

Ion Ratio Lower Upper

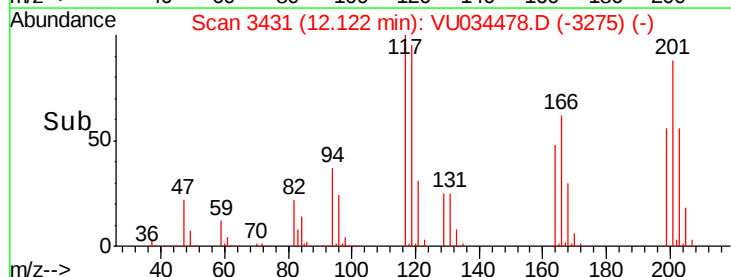
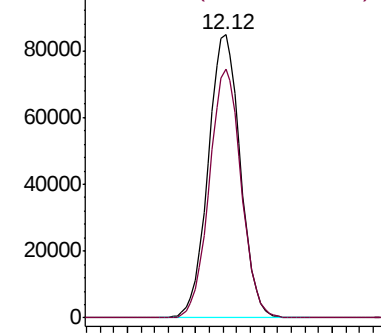
117 100

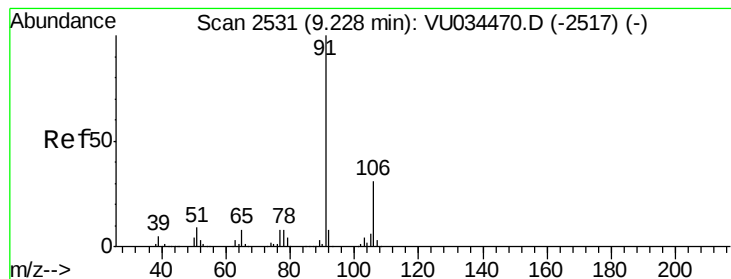
201 87.0 71.8 107.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V





#63

Ethyl Benzene

Concen: 10.638 ug/l

RT: 9.23 min Scan# 2531

Delta R.T. 0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

Instrument :

MSVOA_U

ClientSampleId :

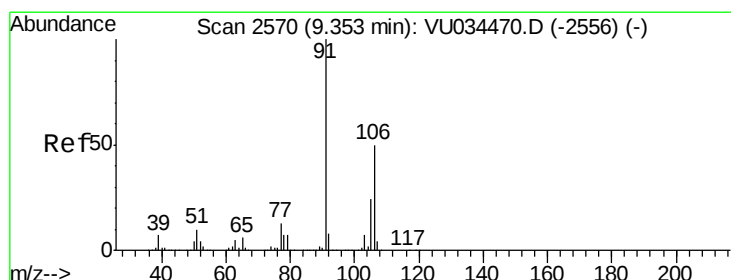
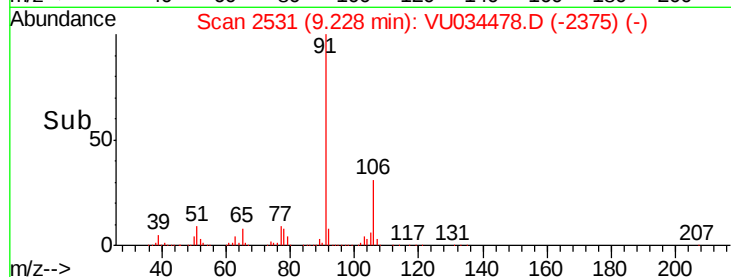
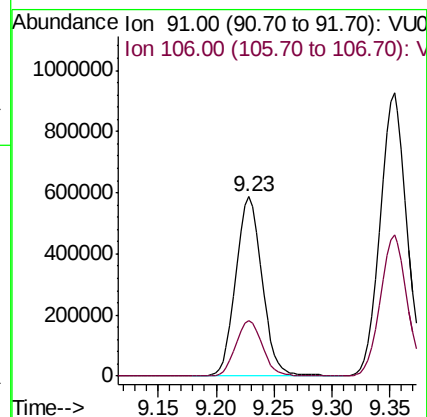
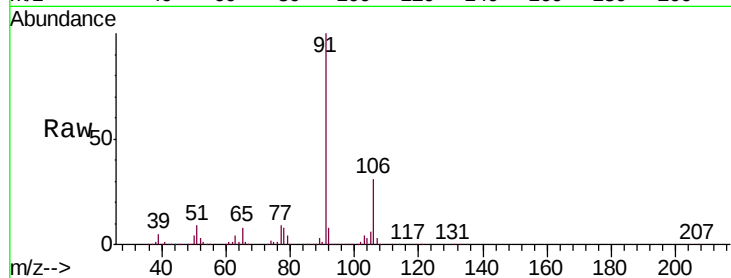
VSTDCCC010EC

Tgt Ion: 91 Resp: 921560

Ion Ratio Lower Upper

91 100

106 31.1 25.2 37.8



#64

m/p-Xylenes

Concen: 21.407 ug/l

RT: 9.35 min Scan# 2570

Delta R.T. 0.00 min

Lab File: VU034478.D

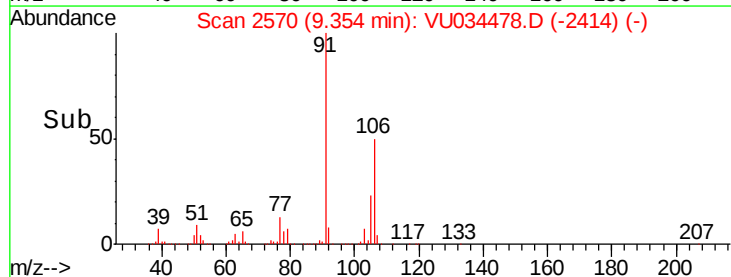
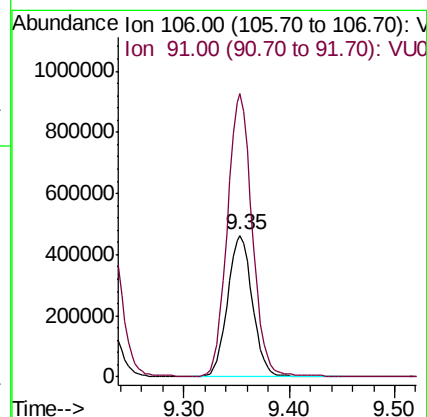
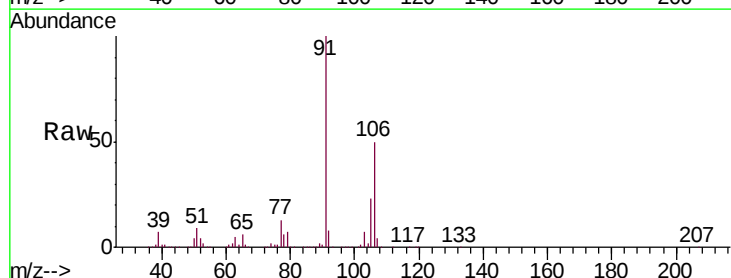
Acq: 11 Sep 2019 15:43

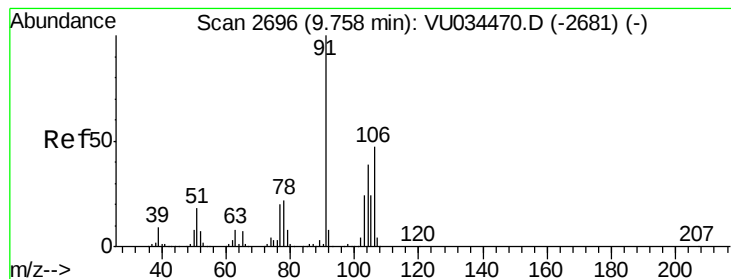
Tgt Ion: 106 Resp: 751142

Ion Ratio Lower Upper

106 100

91 200.4 161.8 242.6





#65

o-Xylene

Concen: 10.516 ug/l

RT: 9.76 min Scan# 2696

Delta R.T. 0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

Instrument :

MSVOA_U

ClientSampleId :

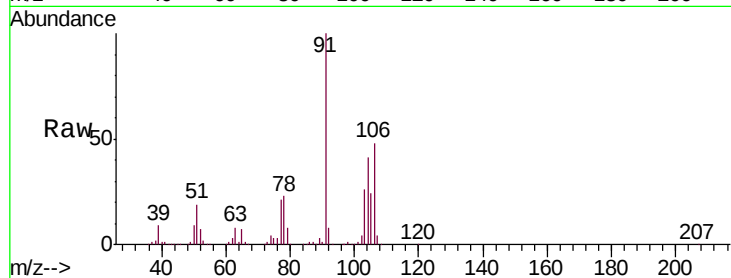
VSTDCCC010EC

Tgt Ion:106 Resp: 351536

Ion Ratio Lower Upper

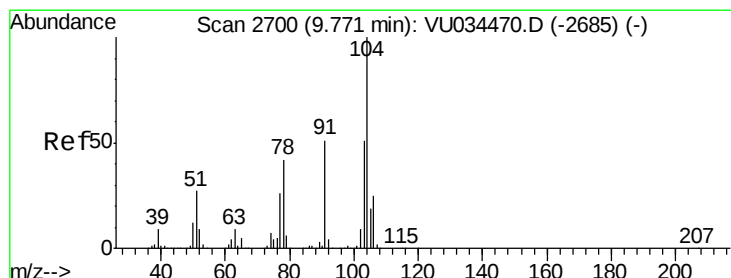
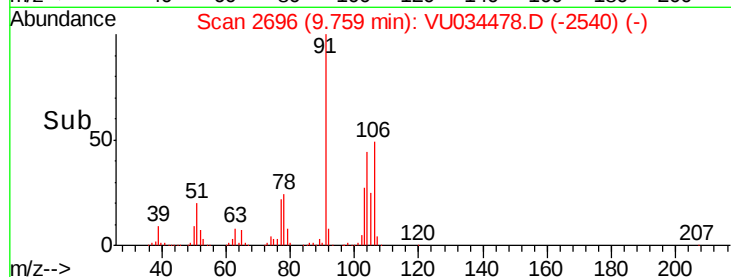
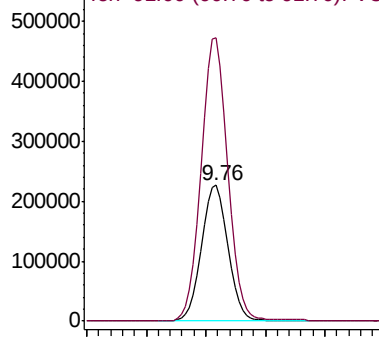
106 100

91 210.0 104.7 313.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#66

Styrene

Concen: 10.966 ug/l

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

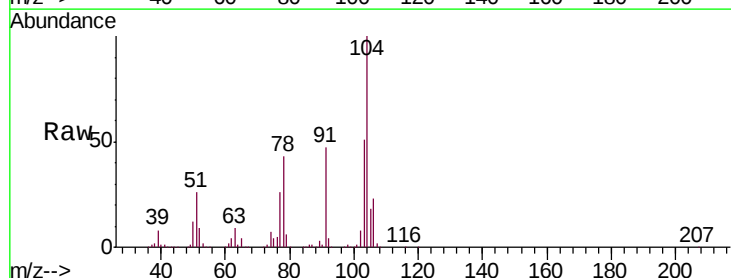
Tgt Ion:104 Resp: 613637

Ion Ratio Lower Upper

104 100

78 48.0 37.8 56.6

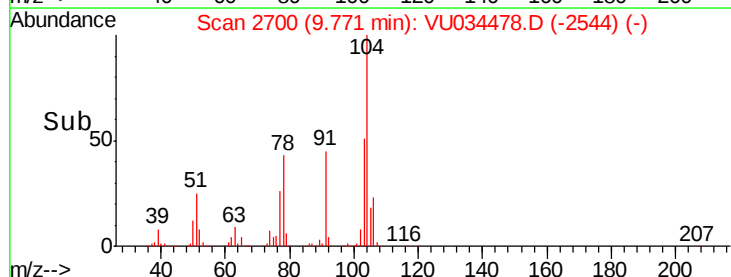
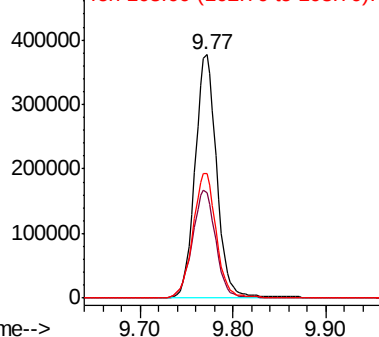
103 55.1 43.8 65.8

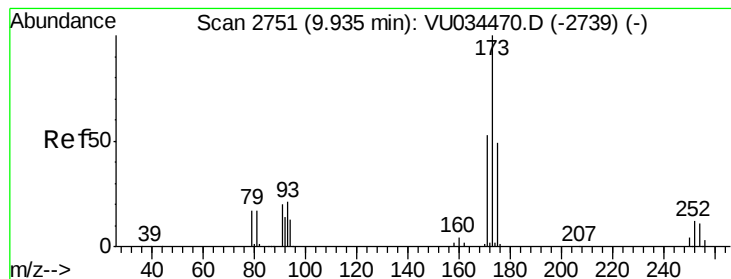


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V





#67

Bromoform

Concen: 9.827 ug/l

RT: 9.94 min Scan# 2751

Delta R.T. 0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

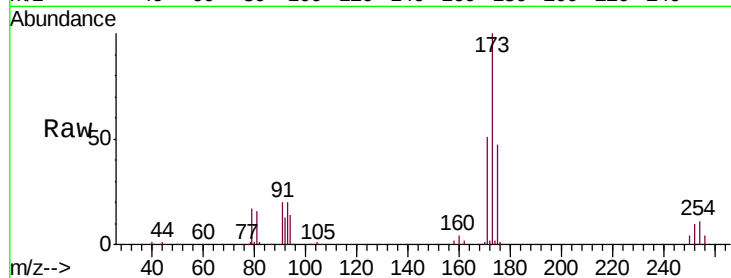
Tgt Ion:173 Resp: 101013

Ion Ratio Lower Upper

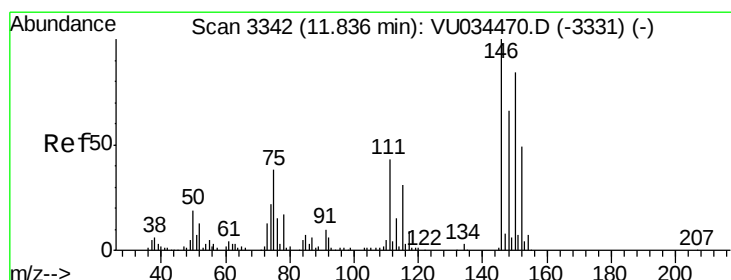
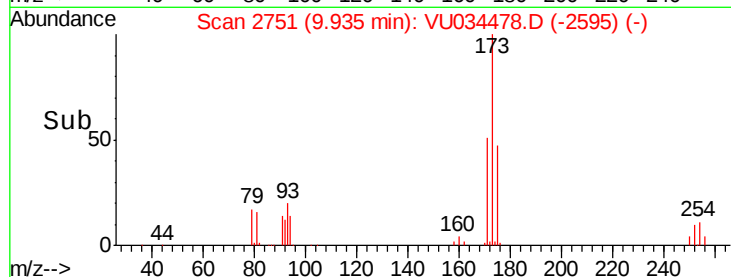
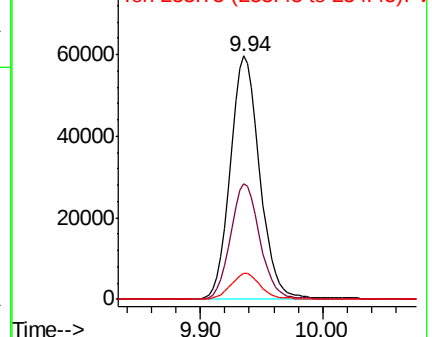
173 100

175 47.4 39.1 58.7

254 10.8 8.6 13.0



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#68

1,2-Dichlorobenzene-d4

Concen: 0.947 ug/l

RT: 11.84 min Scan# 3342

Delta R.T. 0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

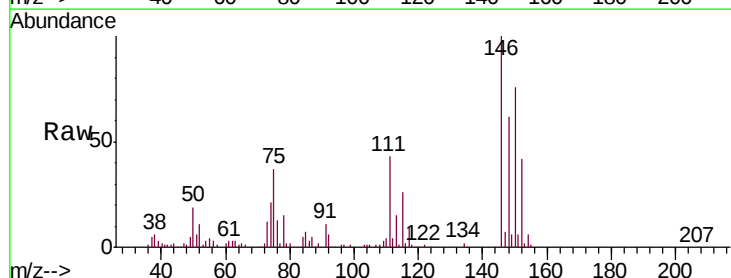
Tgt Ion:152 Resp: 27393

Ion Ratio Lower Upper

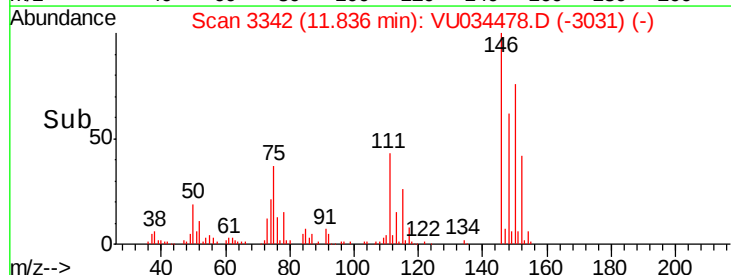
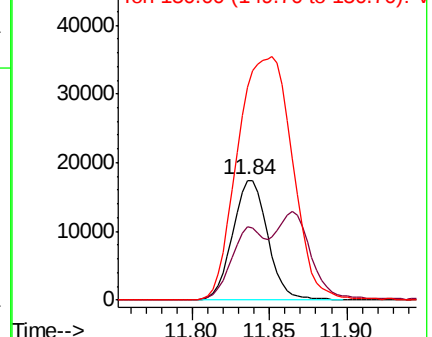
152 100

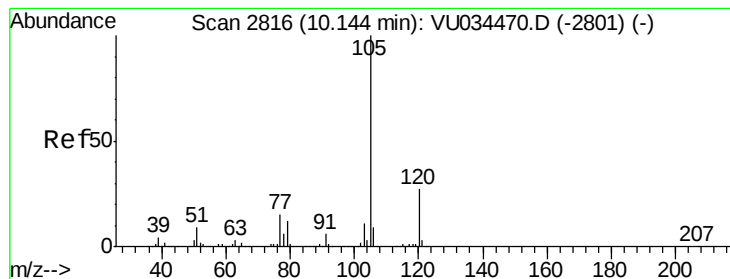
115 58.4 0.0 126.6

150 0.0 0.0 633.6



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 10.695 ug/l

RT: 10.14 min Scan# 2816

Delta R.T. 0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

Instrument :

MSVOA_U

ClientSampleId :

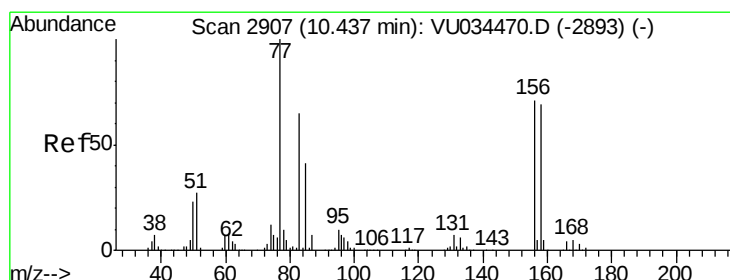
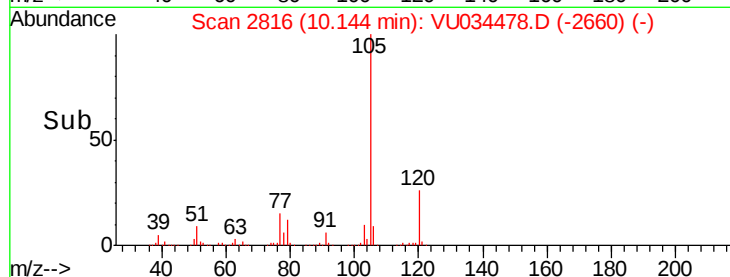
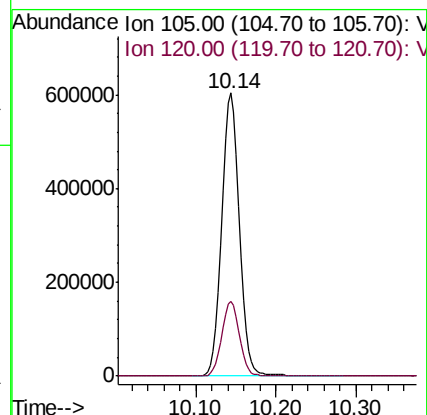
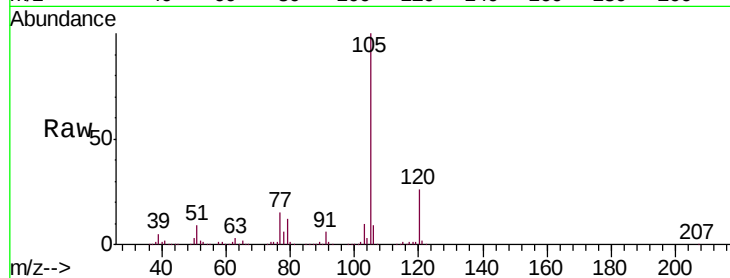
VSTDCCC010EC

Tgt Ion:105 Resp: 931912

Ion Ratio Lower Upper

105 100

120 26.4 13.4 40.2



#70

1,1,2,2-Tetrachloroethane

Concen: 9.570 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

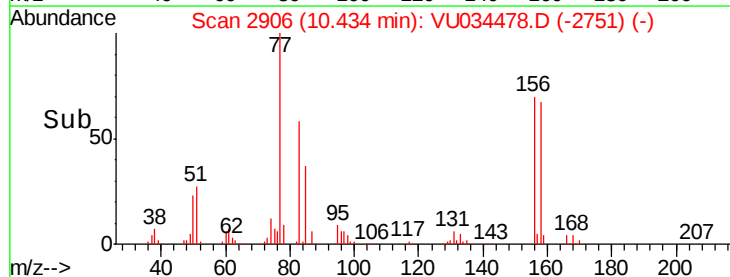
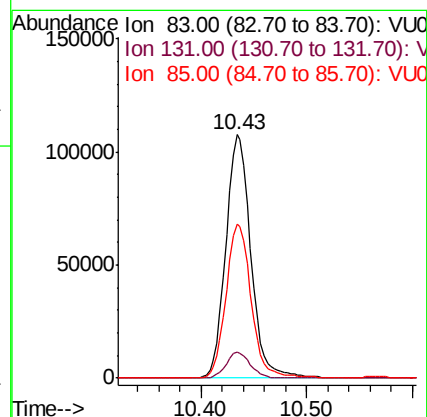
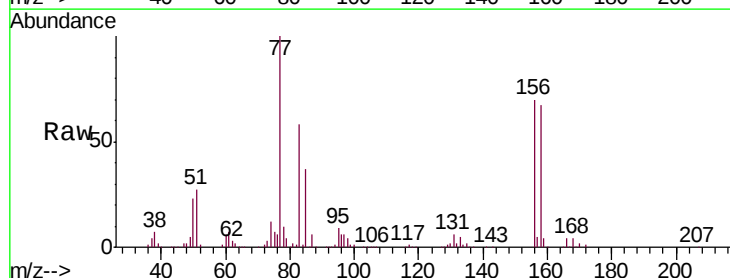
Tgt Ion: 83 Resp: 176726

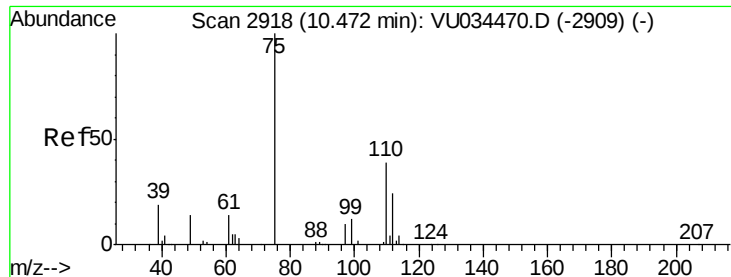
Ion Ratio Lower Upper

83 100

131 10.3 8.2 12.4

85 64.1 51.9 77.9

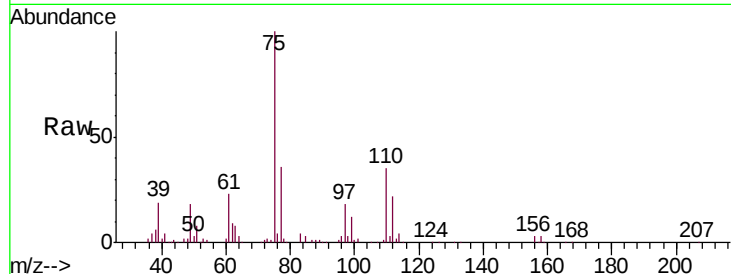




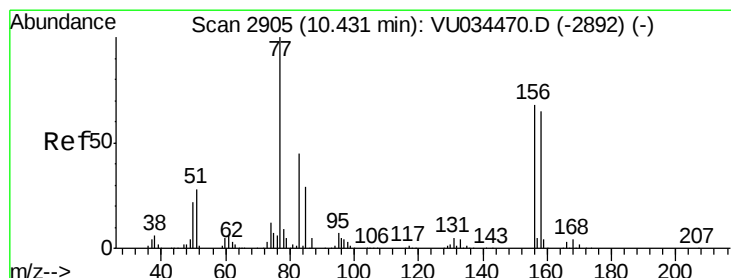
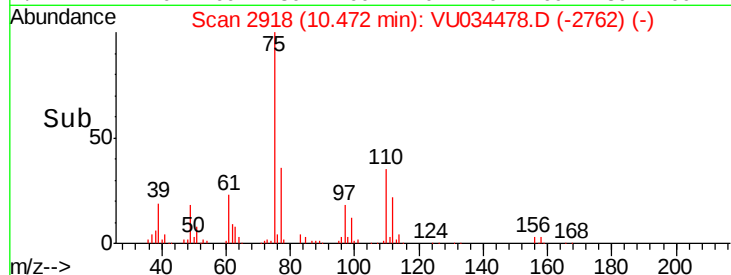
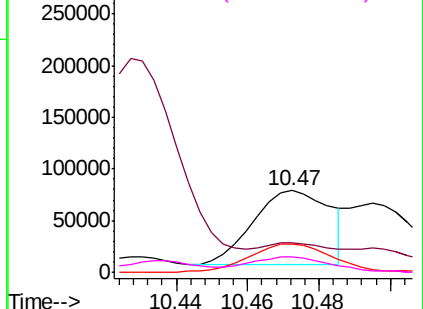
#71
 1,2,3-Trichloropropane
 Concen: 8.243 ug/l
 RT: 10.47 min Scan# 2918
 Delta R.T. 0.00 min
 Lab File: VU034478.D
 Acq: 11 Sep 2019 15:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:	75	Resp:	108333
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0
110	41.3	0.0	66.8
97	20.9	0.0	35.6

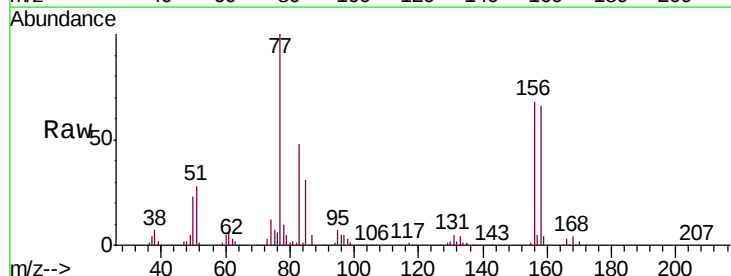


Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0
 Ion 110.00 (109.70 to 110.70): V
 Ion 97.00 (96.70 to 97.70): VU0

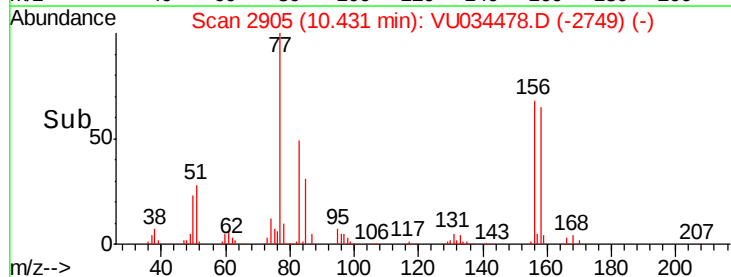
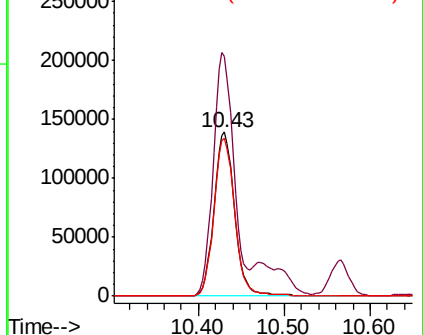


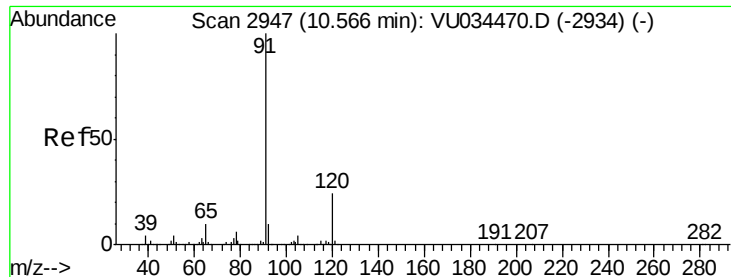
#72
 Bromobenzene
 Concen: 9.888 ug/l
 RT: 10.43 min Scan# 2905
 Delta R.T. 0.00 min
 Lab File: VU034478.D
 Acq: 11 Sep 2019 15:43

Tgt Ion:	156	Resp:	233611
Ion	Ratio	Lower	Upper
156	100		
77	147.7	0.0	293.6
158	97.4	0.0	192.6



Abundance Ion 156.00 (155.70 to 156.70): V
 Ion 77.00 (76.70 to 77.70): VU0
 Ion 158.00 (157.70 to 158.70): V





#73

n-propylbenzene

Concen: 10.851 ug/l

RT: 10.57 min Scan# 2947

Delta R.T. 0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

Instrument :

MSVOA_U

ClientSampleId :

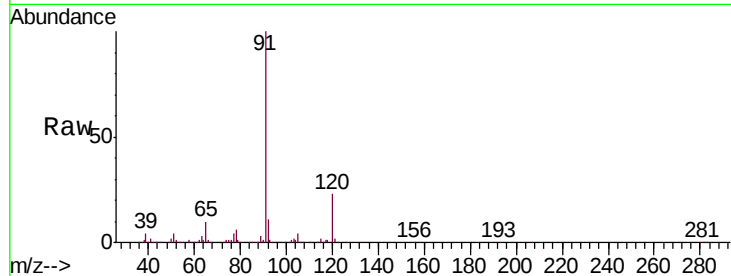
VSTDCCC010EC

Tgt Ion:120 Resp: 273906

Ion Ratio Lower Upper

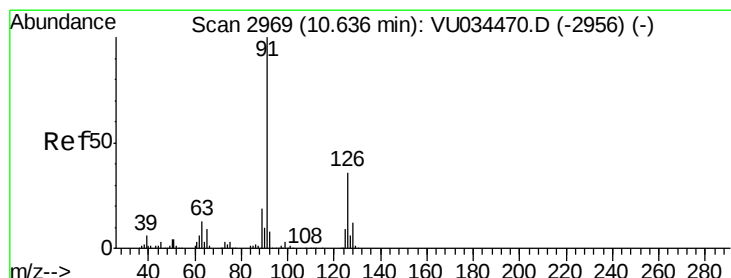
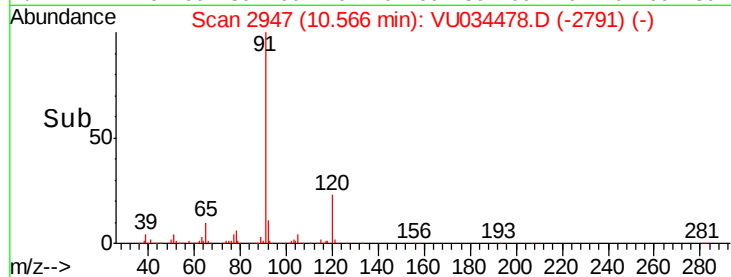
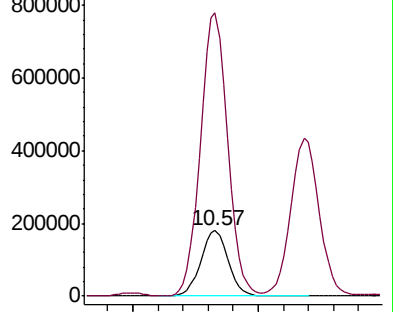
120 100

91 427.6 339.1 508.7



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 10.375 ug/l

RT: 10.64 min Scan# 2969

Delta R.T. 0.00 min

Lab File: VU034478.D

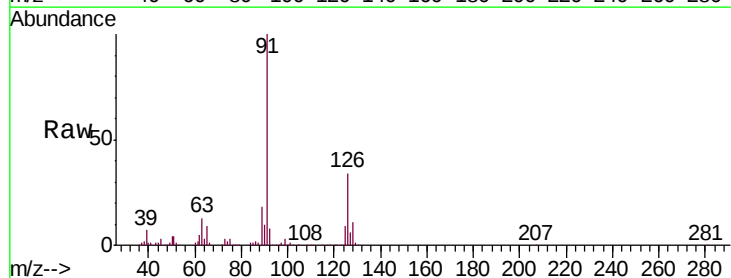
Acq: 11 Sep 2019 15:43

Tgt Ion:126 Resp: 235630

Ion Ratio Lower Upper

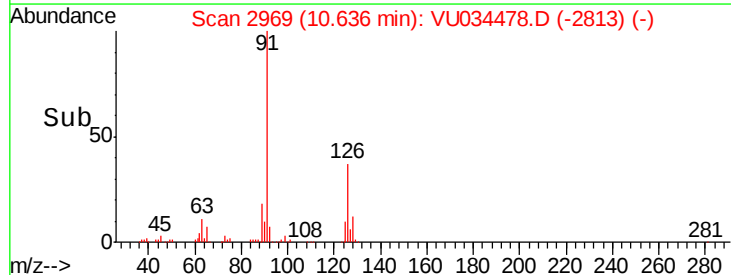
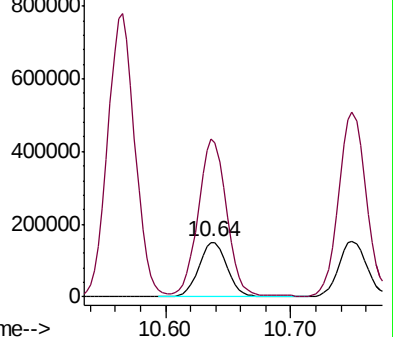
126 100

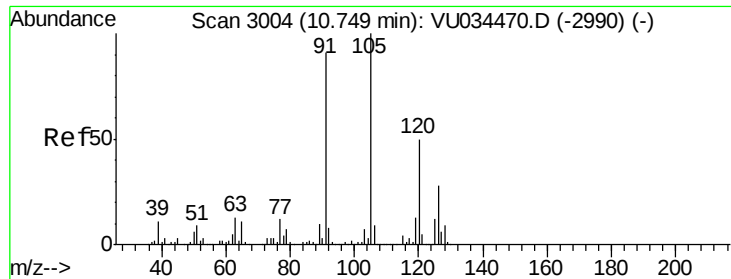
91 290.7 0.0 582.4



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 10.721 ug/l

RT: 10.75 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

Instrument :

MSVOA_U

ClientSampleId :

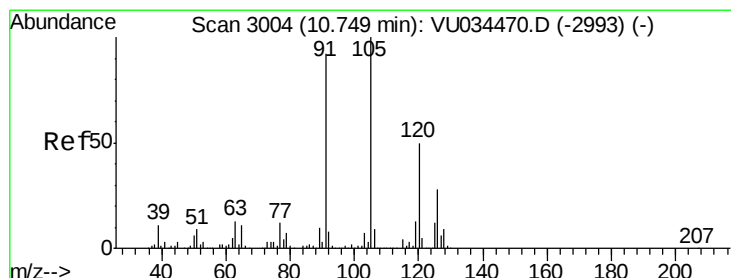
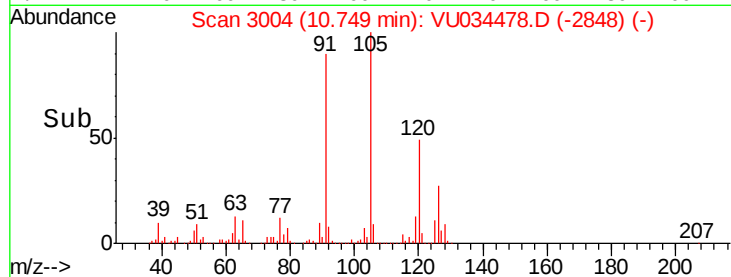
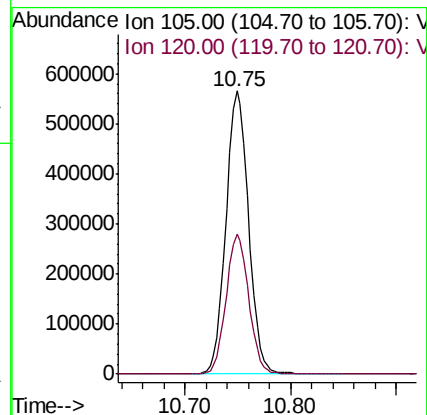
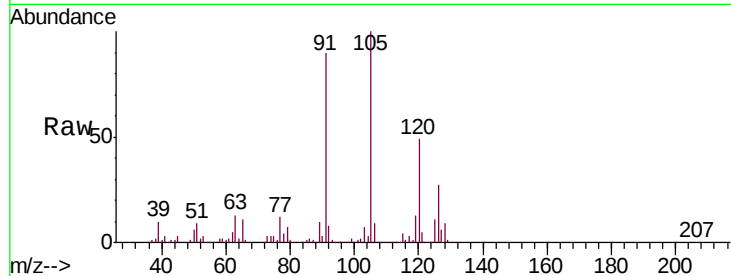
VSTDCCC010EC

Tgt Ion:105 Resp: 838765

Ion Ratio Lower Upper

105 100

120 49.6 39.8 59.8



#76

4-Chlorotoluene

Concen: 10.487 ug/l

RT: 10.75 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VU034478.D

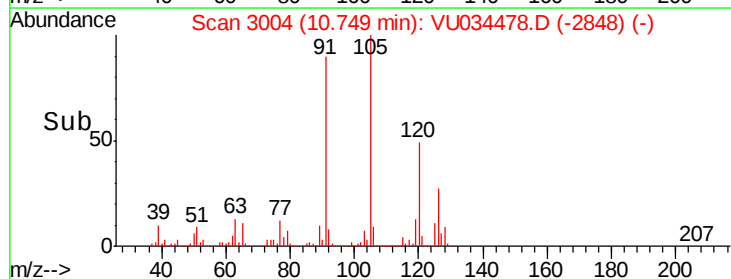
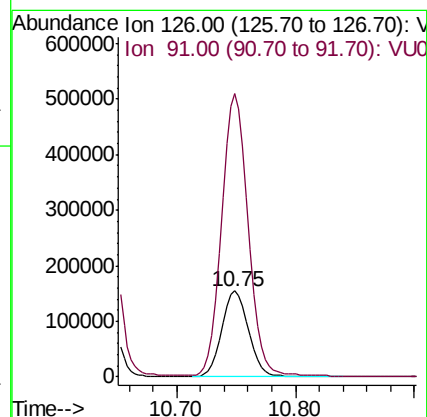
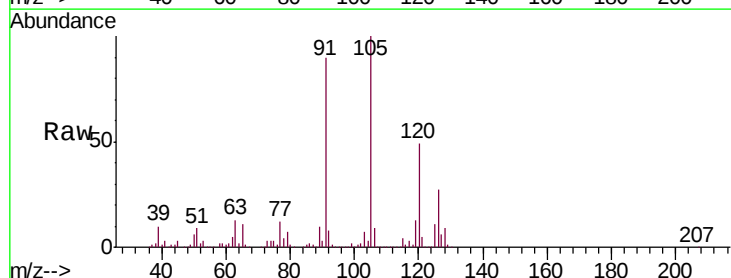
Acq: 11 Sep 2019 15:43

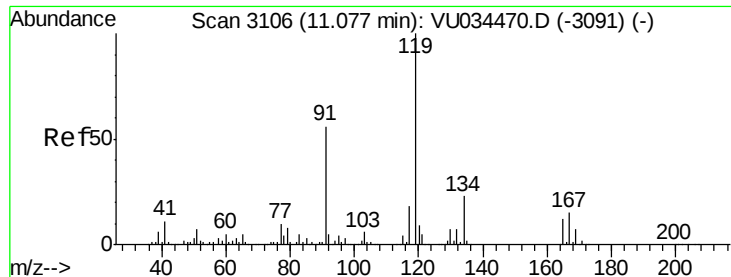
Tgt Ion:126 Resp: 241154

Ion Ratio Lower Upper

126 100

91 328.3 0.0 667.6

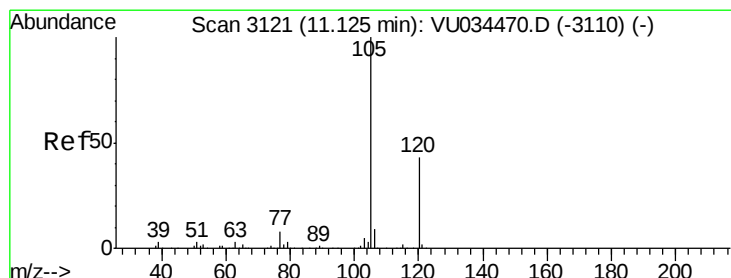
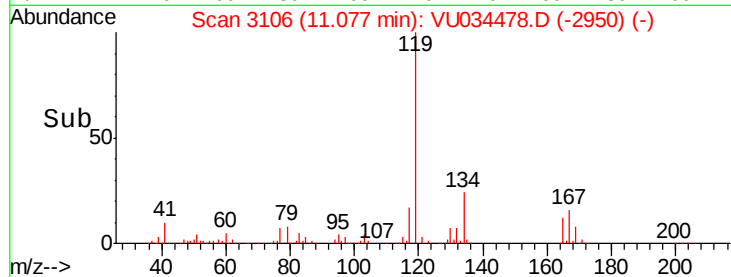
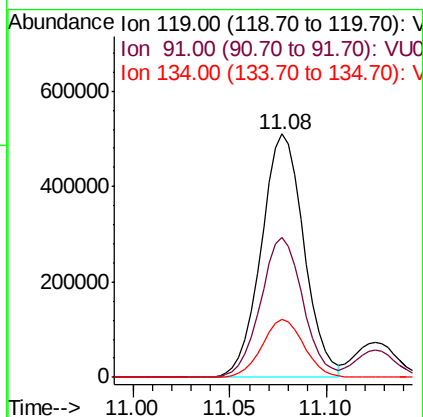
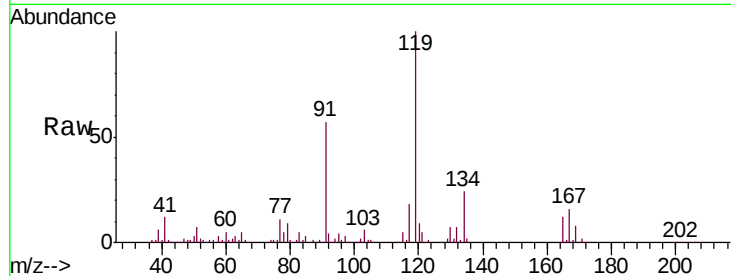




#77
 tert-Butylbenzene
 Concen: 10.346 ug/l
 RT: 11.08 min Scan# 3106
 Delta R.T. 0.00 min
 Lab File: VU034478.D
 Acq: 11 Sep 2019 15:43

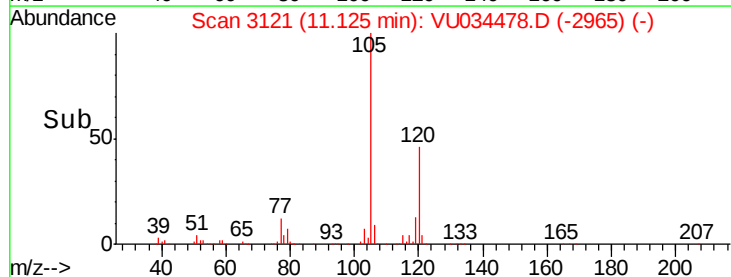
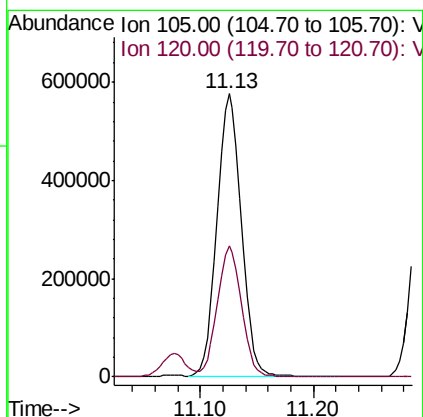
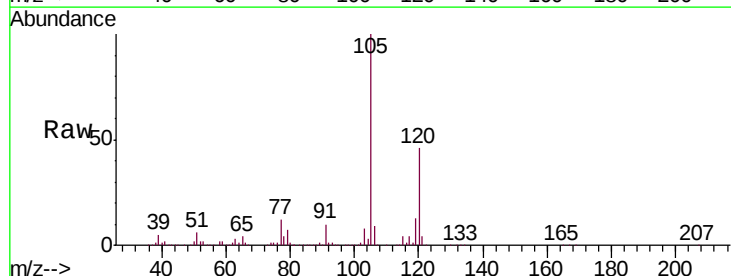
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

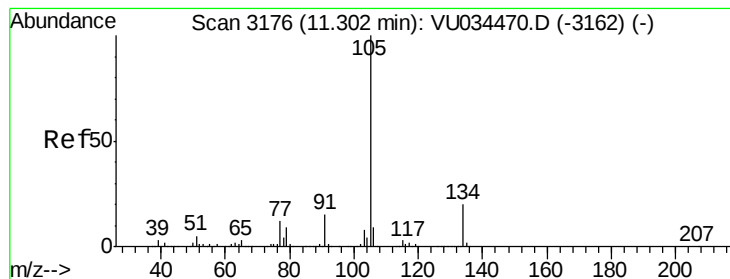
Tgt Ion:119 Resp: 784762
 Ion Ratio Lower Upper
 119 100
 91 57.0 27.8 83.3
 134 23.7 18.4 27.6



#78
 1,2,4-Trimethylbenzene
 Concen: 10.949 ug/l
 RT: 11.13 min Scan# 3121
 Delta R.T. 0.00 min
 Lab File: VU034478.D
 Acq: 11 Sep 2019 15:43

Tgt Ion:105 Resp: 865078
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.1 69.2





#79

sec-Butylbenzene

Concen: 10.538 ug/l

RT: 11.30 min Scan# 3176

Delta R.T. 0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

Instrument :

MSVOA_U

ClientSampleId :

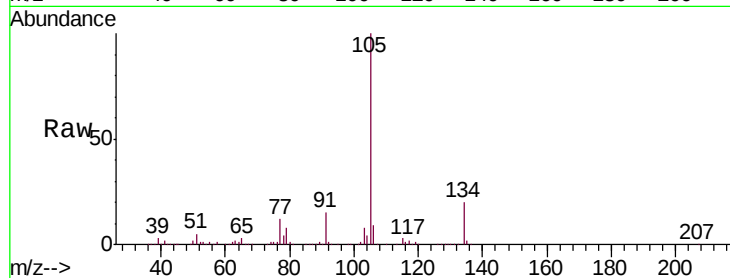
VSTDCCC010EC

Tgt Ion:105 Resp: 1075377

Ion Ratio Lower Upper

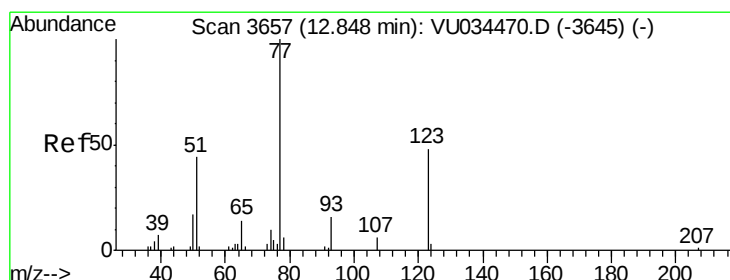
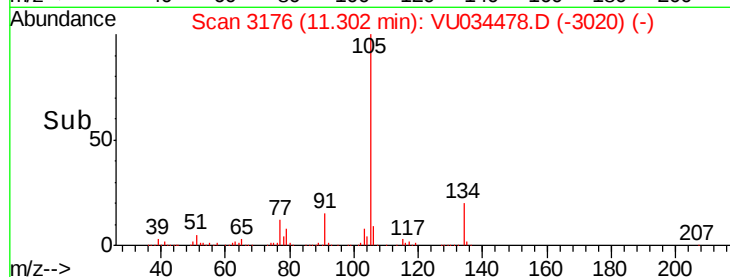
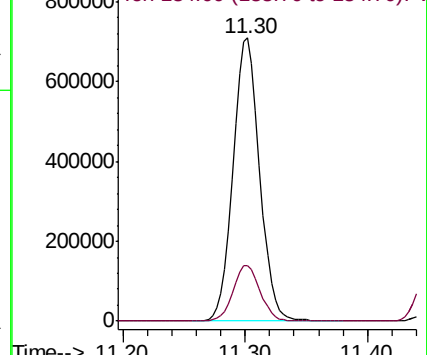
105 100

134 20.1 16.3 24.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 52.553 ug/l

RT: 12.85 min Scan# 3657

Delta R.T. 0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

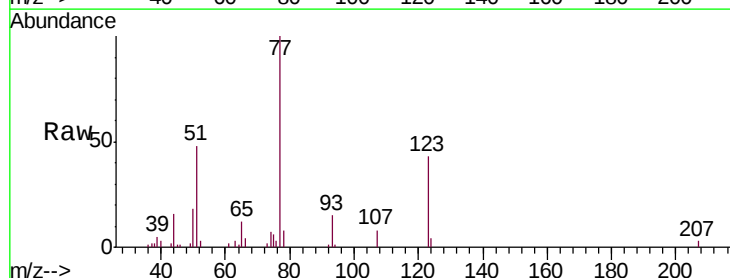
Tgt Ion: 77 Resp: 20718

Ion Ratio Lower Upper

77 100

123 43.2 19.0 67.4

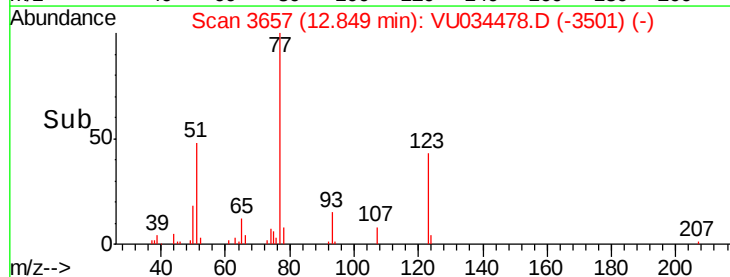
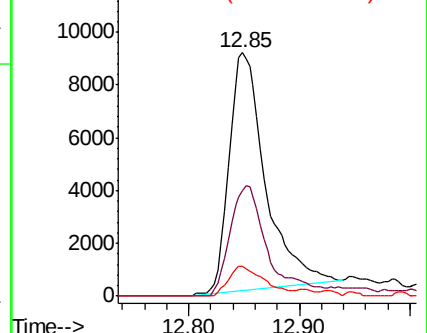
65 10.3 8.5 10.9

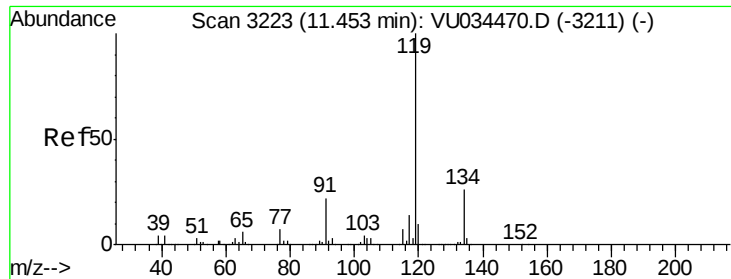


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0

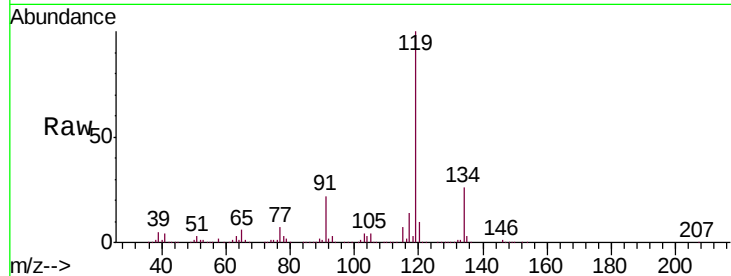




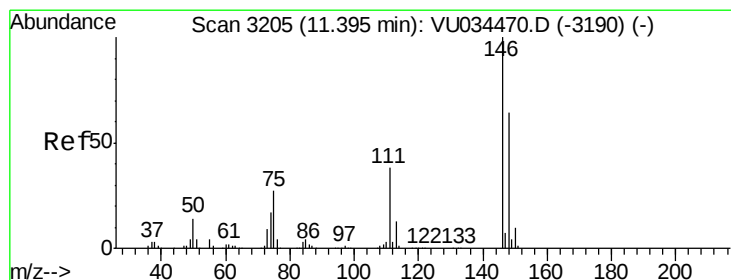
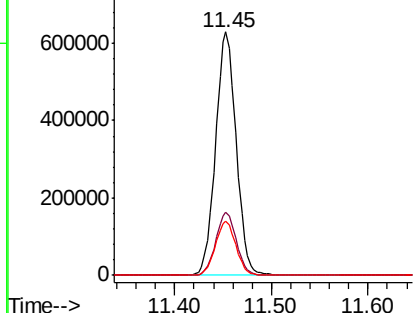
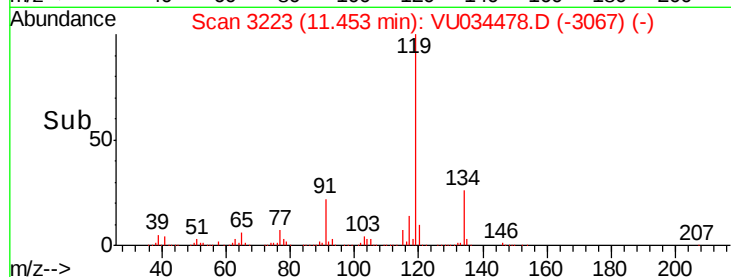
#81
p-Isopropyltoluene
Concen: 10.894 ug/l
RT: 11.45 min Scan# 3223
Delta R.T. 0.00 min
Lab File: VU034478.D
Acq: 11 Sep 2019 15:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tgt Ion:119 Resp: 927588
Ion Ratio Lower Upper
119 100
134 26.0 21.2 31.8
91 22.3 17.6 26.4

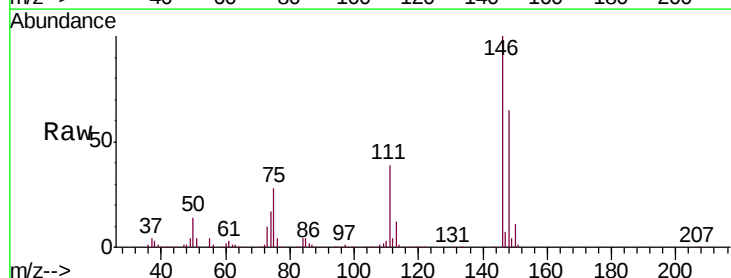


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

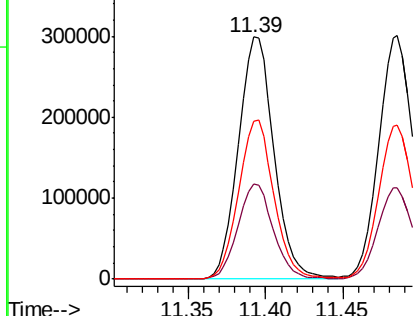
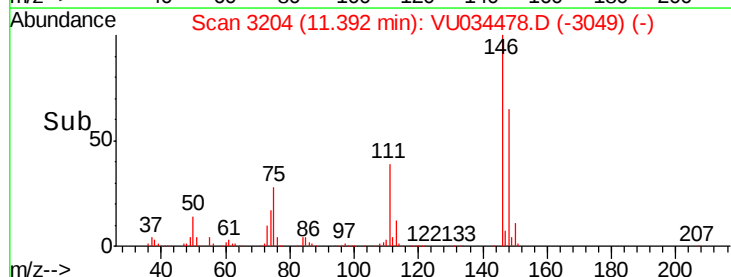


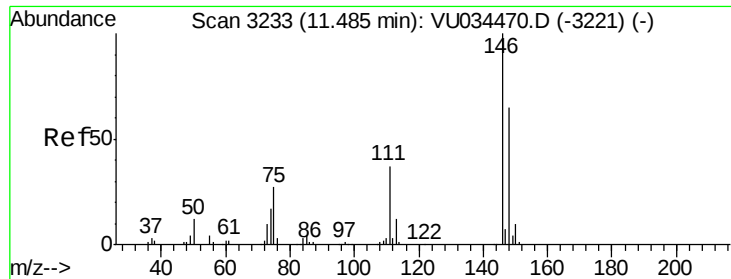
#82
1,3-Dichlorobenzene
Concen: 9.790 ug/l
RT: 11.39 min Scan# 3204
Delta R.T. -0.00 min
Lab File: VU034478.D
Acq: 11 Sep 2019 15:43

Tgt Ion:146 Resp: 480074
Ion Ratio Lower Upper
146 100
111 38.9 31.0 46.6
148 64.9 51.5 77.3



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

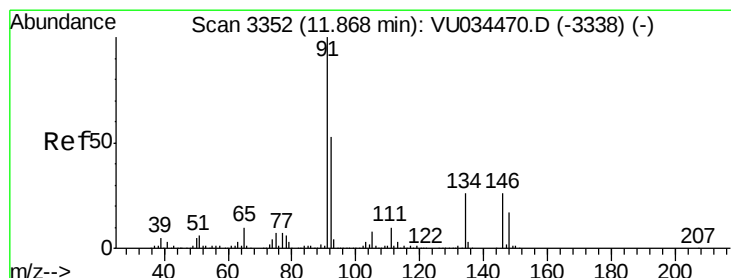
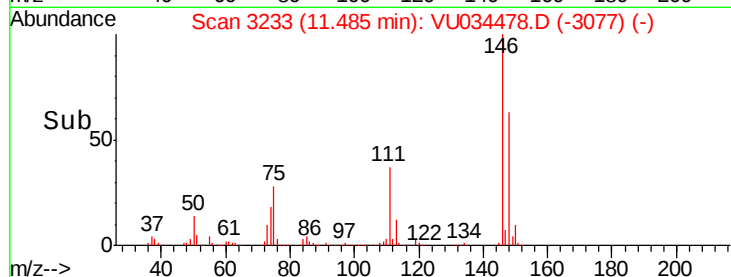
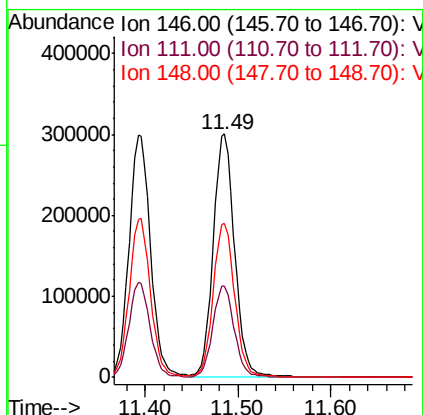
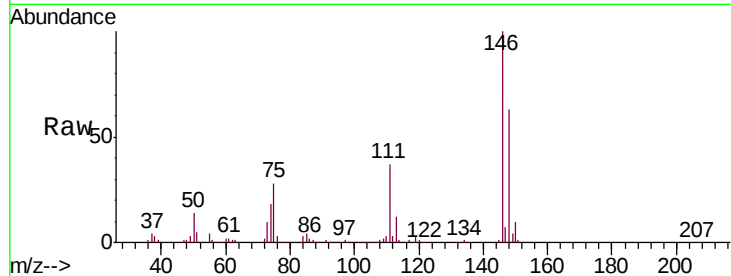




#83
 1,4-Dichlorobenzene
 Concen: 9.886 ug/l
 RT: 11.49 min Scan# 3233
 Delta R.T. 0.00 min
 Lab File: VU034478.D
 Acq: 11 Sep 2019 15:43

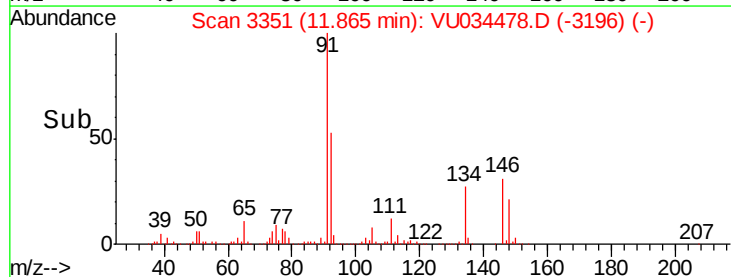
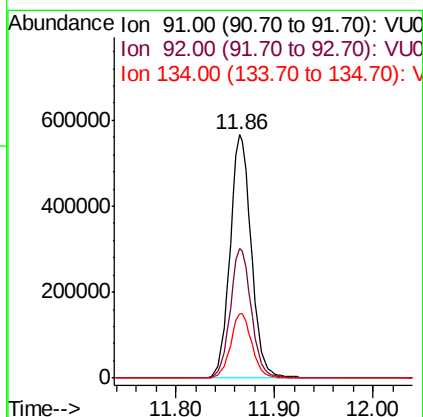
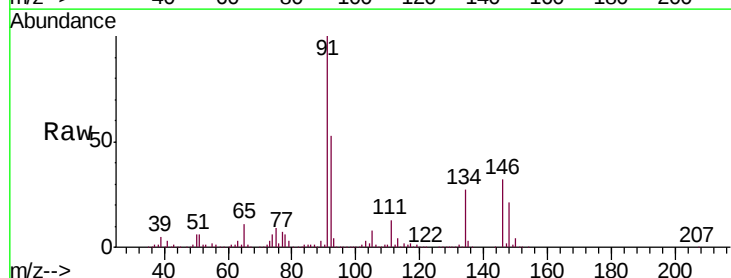
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

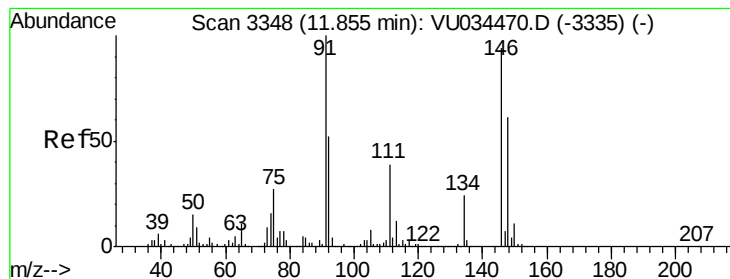
Tgt Ion: 146 Resp: 481733
 Ion Ratio Lower Upper
 146 100
 111 37.3 29.5 44.3
 148 63.7 51.0 76.4



#84
 n-Butylbenzene
 Concen: 10.891 ug/l
 RT: 11.86 min Scan# 3351
 Delta R.T. -0.00 min
 Lab File: VU034478.D
 Acq: 11 Sep 2019 15:43

Tgt Ion: 91 Resp: 853395
 Ion Ratio Lower Upper
 91 100
 92 52.9 42.4 63.6
 134 26.5 21.0 31.4





#85

1,2-Dichlorobenzene

Concen: 9.819 ug/l

RT: 11.86 min Scan# 3348

Delta R.T. 0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

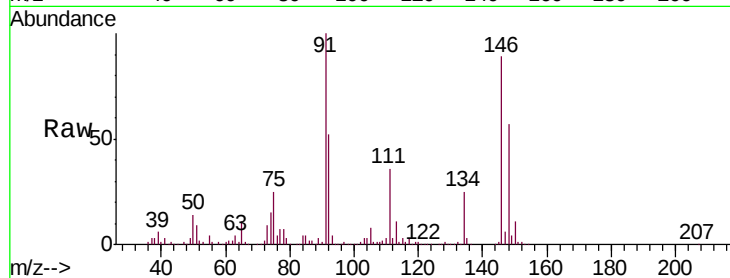
Tgt Ion:146 Resp: 436276

Ion Ratio Lower Upper

146 100

111 40.6 20.3 60.8

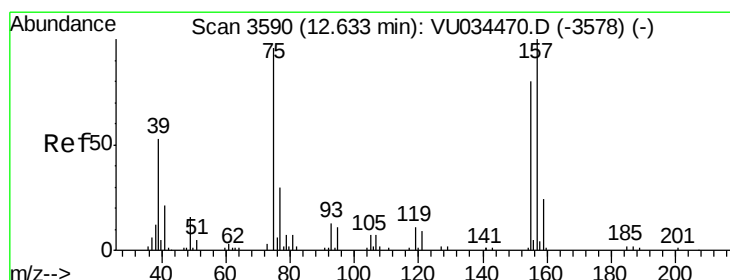
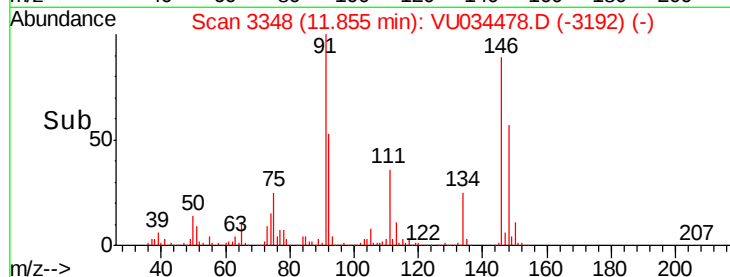
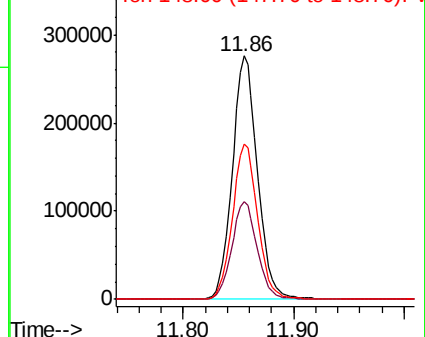
148 64.1 32.2 96.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#86

1,2-Dibromo-3-Chloropropane

Concen: 10.322 ug/l

RT: 12.64 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

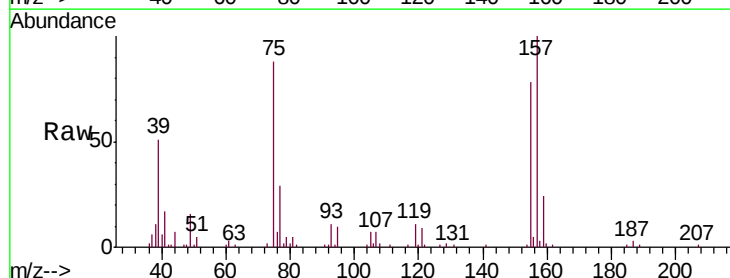
Tgt Ion: 75 Resp: 25449

Ion Ratio Lower Upper

75 100

155 89.7 68.9 103.3

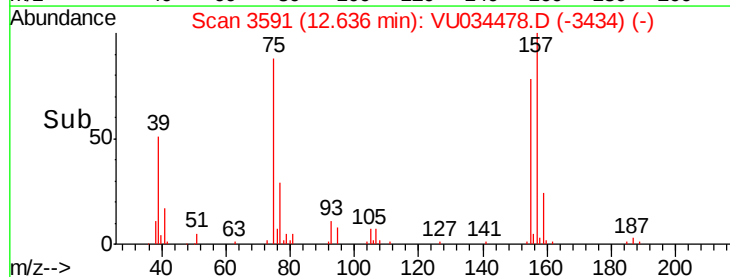
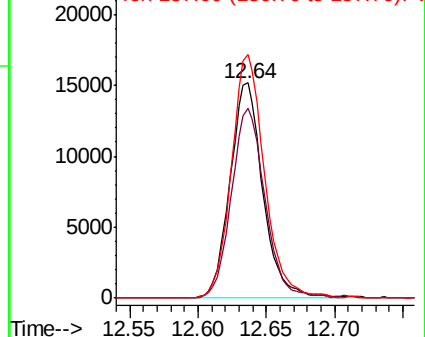
157 113.7 89.9 134.9

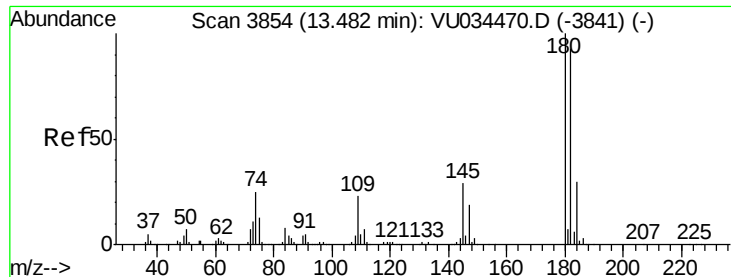


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

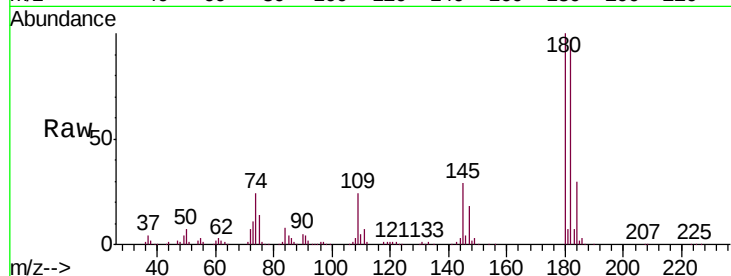




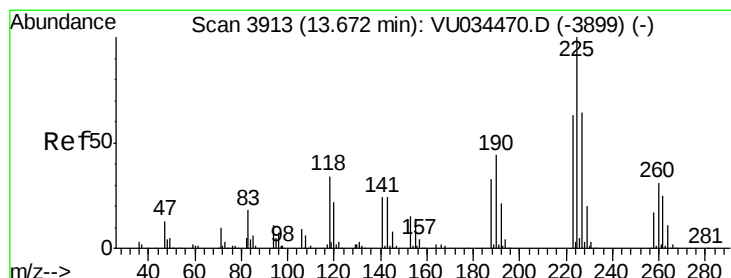
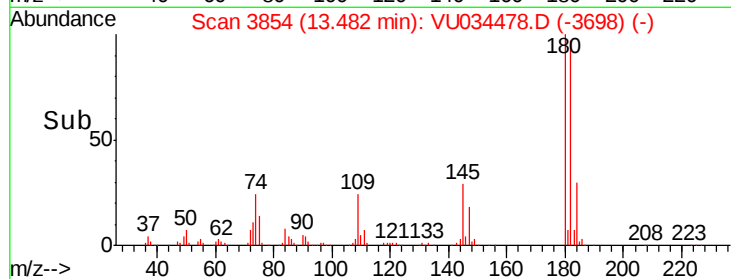
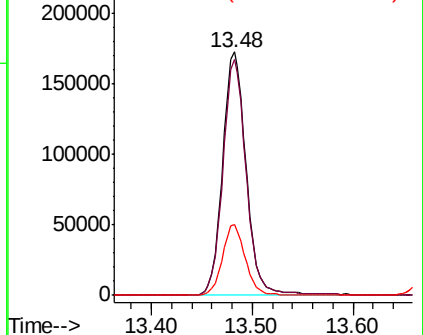
#87
 1,2,4-Trichlorobenzene
 Concen: 11.048 ug/l
 RT: 13.48 min Scan# 3854
 Delta R.T. 0.00 min
 Lab File: VU034478.D
 Acq: 11 Sep 2019 15:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:180 Resp: 283377
 Ion Ratio Lower Upper
 180 100
 182 95.3 76.6 114.8
 145 28.1 23.0 34.6

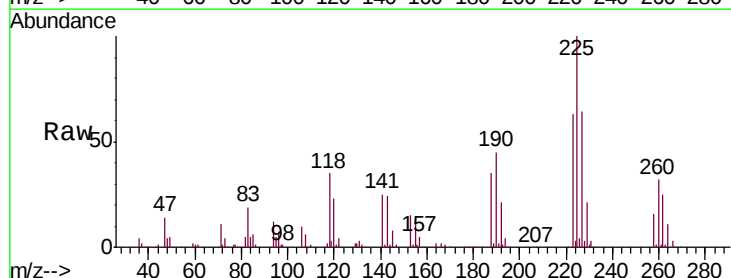


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

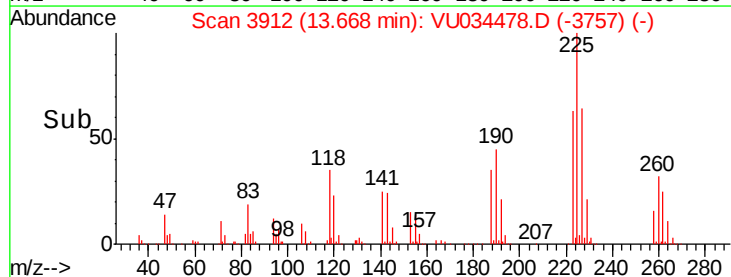
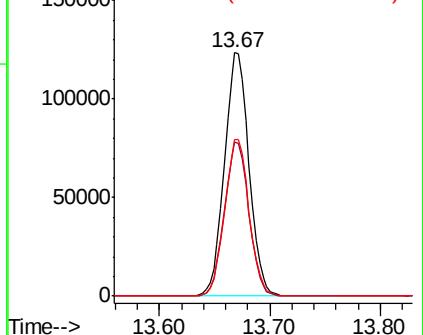


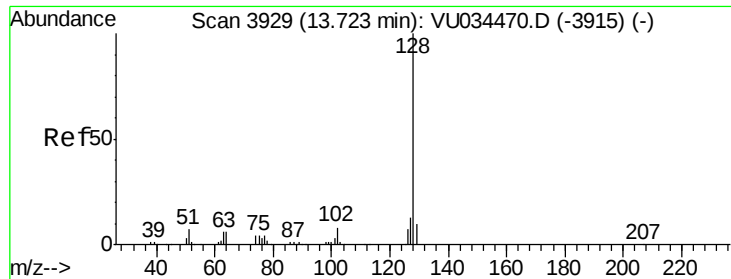
#88
 Hexachlorobutadiene
 Concen: 9.764 ug/l
 RT: 13.67 min Scan# 3912
 Delta R.T. -0.00 min
 Lab File: VU034478.D
 Acq: 11 Sep 2019 15:43

Tgt Ion:225 Resp: 190823
 Ion Ratio Lower Upper
 225 100
 223 63.2 50.3 75.5
 227 64.0 51.1 76.7



Abundance Ion 224.60 (224.30 to 225.30): V
 Ion 222.60 (222.30 to 223.30): V
 Ion 226.60 (226.30 to 227.30): V





#89

Naphthalene

Concen: 8.974 ug/l

RT: 13.72 min Scan# 3929

Delta R.T. 0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

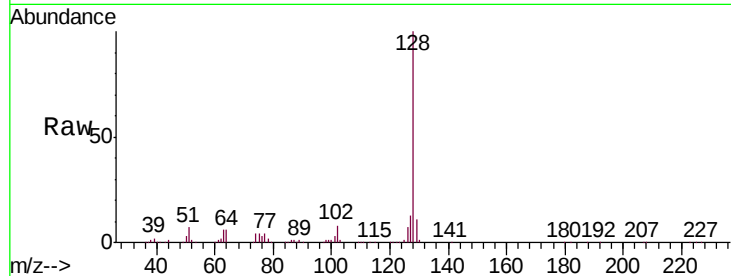
Tgt Ion:128 Resp: 400250

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.2

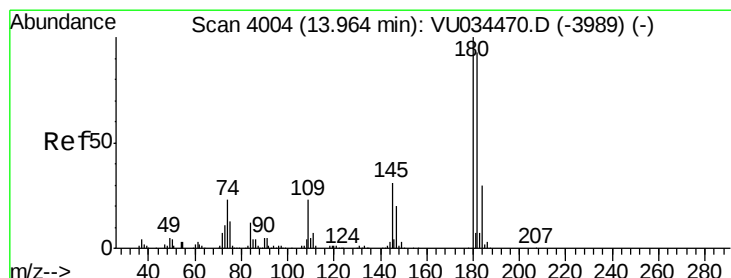
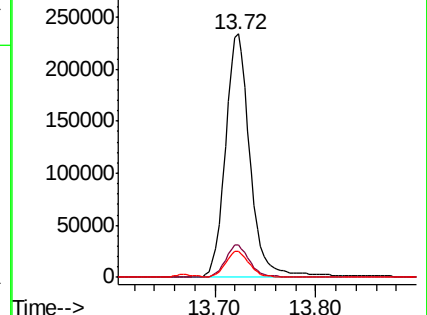
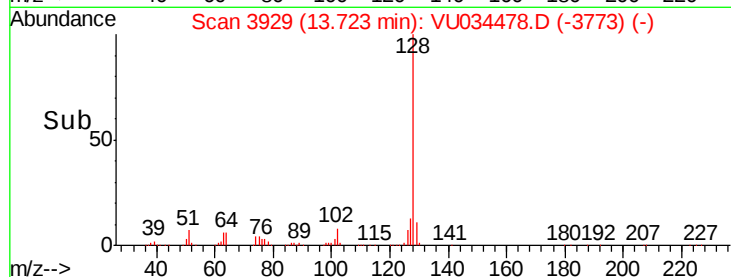
129 10.1 8.0 12.0



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



#90

1,2,3-Trichlorobenzene

Concen: 11.047 ug/l

RT: 13.96 min Scan# 4004

Delta R.T. 0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

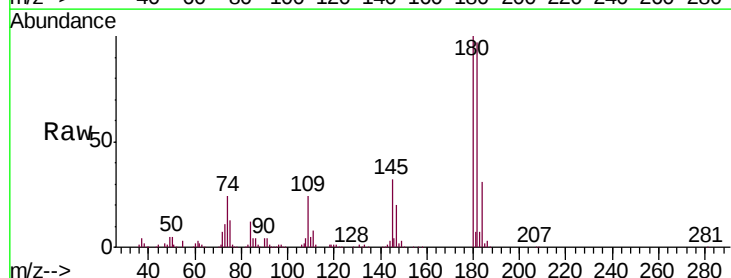
Tgt Ion:180 Resp: 260926

Ion Ratio Lower Upper

180 100

182 96.3 75.4 113.2

145 30.8 24.5 36.7



Abundance Ion 179.70 (179.40 to 180.40): V

Ion 181.70 (181.40 to 182.40): V

Ion 144.80 (144.50 to 145.50): V

